

**BOBBY JINDAL**  
GOVERNOR



**PEGGY M. HATCH**  
SECRETARY

**State of Louisiana**  
DEPARTMENT OF ENVIRONMENTAL QUALITY  
ENVIRONMENTAL SERVICES

Certified Mail No.

Activity No.: PER20090019  
Agency Interest No. 286

Mr. D. L. Schuessler  
Site Manager  
Baton Rouge Chemical Plant  
ExxonMobil Chemical Company  
P.O. Box 241  
Baton Rouge, LA 70821-0241

RE: Part 70 Operating Permit Modification, Maintrain Ethylene Production Facilities, Baton Rouge Chemical Plant, ExxonMobil Chemical Company, Baton Rouge, East Baton Rouge Parish, Louisiana

Dear Mr. Schuessler:

This is to inform you that the permit modification for the above referenced facility has been approved under LAC 33:III.501. The permit is both a state preconstruction and Part 70 Operating Permit. The submittal was approved on the basis of the emissions reported and the approval in no way guarantees the design scheme presented will be capable of controlling the emissions as to the types and quantities stated. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets and conditions are attached herewith.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Operation of this facility is hereby authorized under the terms and conditions of this permit. This authorization shall expire at midnight on the \_\_\_ of \_\_\_\_\_, 2015, unless a timely and complete renewal application has been submitted six months prior to expiration. Terms and conditions of this permit shall remain in effect until such time as the permitting authority takes final action on the application for permit renewal. The permit number and agency interest number cited above should be referenced in future correspondence regarding this facility.

Please be advised that pursuant to provisions of the Environmental Quality Act and the Administrative Procedure Act, the Department may initiate review of a permit during its term. However, before it takes any action to modify, suspend or revoke a permit, the Department shall, in accordance with applicable statutes and regulations, notify the permittee by mail of the facts or operational conduct that warrant the intended action and provide the permittee with the opportunity to demonstrate compliance with all lawful requirements for the retention of the effective permit.

Done this \_\_\_ day of \_\_\_\_\_, 2010.

Permit No.: 2031-V8

Sincerely,

Cheryl Sonnier Nolan  
Assistant Secretary

CSN:CXL  
c: EPA Region VI

**PUBLIC NOTICE**  
**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY (LDEQ)**  
**EXXONMOBIL CHEMICAL COMPANY**  
**BATON ROUGE CHEMICAL PLANT**  
**MAINTRAIN ETHYLENE PRODUCTION FACILITIES**  
**PROPOSED PART 70 AIR OPERATING PERMIT MODIFICATION**  
**AND USE OF VOC EMISSION REDUCTION CREDITS (ERC)**

The LDEQ, Office of Environmental Services, is accepting written comments on a proposed Part 70 air operating permit modification and use of VOC Emission Reduction Credits for ExxonMobil Chemical Company, P.O. Box 241, Baton Rouge, LA 70821-0241 for the Baton Rouge Chemical Plant (BRCP) - Maintrain Ethylene Production Facilities. **The facility is located at 4999 Scenic Highway, Baton Rouge, East Baton Rouge Parish.**

BRCP requested to permit four projects with this construction permit application. Each project is independently viable and justified. Should any of the proposed projects not be pursued, the remaining projects still provide benefit to BRCP. Thus they do not require aggregation under New Source Review (NSR). BRCP proposes to secure permit approval in one application for efficiency.

**This permit was processed as an expedited permit in accordance with LAC 33:I.Chapter 18.**

**Project No. 1:**

During the Maintrain Ethylene Year 2011 turnaround, BRCP proposes to install multiple enhancements to improve the unit's reliability, energy efficiency, and feed flexibility. Major facilities changes include:

- Installation of a new caustic tower, which will eliminate caustic carryover from the existing caustic tower to downstream equipment;
- Retray of an existing tower (Emission Point No. V-547, KUT-52X) and associated piping modifications to reduce fouling;
- Increasing the suction pressure on a major process gas compressor to improve energy efficiency;
- Installation of a feed preheater to improve energy efficiency;
- Other miscellaneous changes, including but not limited to piping, vessel, tower and reactor modifications.

Construction of these changes is planned beginning in early April 2011 with majority of the construction occurring during the turnaround planned for second half of 2011. Initial startup will occur in 2011. Some activities will occur after the turnaround.

**Project No. 2:**

BRCP proposes an additional project to allow for import of additional butane as replacement for existing feedstocks. Facilities consist of piping components to route the new streams from the boundary of BRCP to the Maintrain Ethylene units. Construction start is planned for the second half of 2011. Initial startup will occur in 2012.

**Project No. 3:**

BRCP proposes to install two diesel-driven air compressors to supplement compressed air needs during decoking operations for steam cracking furnaces at the North Area Control Center (NACC). These new air compressors will supplement the existing NACC air compressor (Emission Point No. S-109). Construction and startup is targeted for the second half of 2010.

**Project No. 4:**

The last change will allow materials with higher hydrogen sulfide content to be stored in Tank 1659 (Emission Point No. T-1659). Only the H<sub>2</sub>S emissions are changing for this tank.

Total project related emission increases in tons per year are as follows:

	VOC	NO <sub>x</sub>	PM <sub>10</sub>	SO <sub>2</sub>	CO	H <sub>2</sub> S
Project No. 1	0.62	3.48	0.27	0.01	2.93	-
Project No. 2	2.14	29.21	2.51	0.05	23.36	-
Project No. 3	0.24	6.40	0.36	0.01	4.38	-
Project No. 4	-	-	-	-	-	0.38
<b>Total</b>	<b>3.00</b>	<b>39.09</b>	<b>3.14</b>	<b>0.07</b>	<b>30.67</b>	<b>0.38</b>

The proposed projects will result in emission increases in CO, NO<sub>x</sub>, PM<sub>10</sub>, SO<sub>2</sub>, and H<sub>2</sub>S emissions. For new or modified sources, these increases are based on the evaluation of the past actual emission of the project-impacted sources versus the proposed permitted potential emissions. For impacted sources, the increases are based on the increase in actual emissions. The resulting increases in emissions will be less than the Prevention of Significant Deterioration (PSD) Significant Threshold for these criteria pollutants. Therefore, PSD permitting requirements are not triggered.

The NO<sub>x</sub> emissions increases only associated with Maintrain are 39.09 tons per year. NO<sub>x</sub> net emissions increases for the contemporaneous period are less than 25 TPY, so, no further Nonattainment New Source Review (NNSR) for NO<sub>x</sub> is required.

The VOC emission increases only associated with the proposed projects are 3.00 tons per year. VOC net emissions increases for the contemporaneous period are greater than 25 TPY, therefore, the project-related increases of 3.0 TPY will be offset at a ratio of 1.5:1 for a total of 4.50 TPY by using internal banked BRCP Emission Reduction Credits (ERC). Lowest Achievable Emission Rate (LAER) is not required since the increase is offset at a higher ratio.

At this time BRCP is also proposing to bank 1.87 tons per year of VOC emission reductions in accordance with LAC 33:III.Chapter 6. The reductions are surplus, permanent, quantifiable, and enforceable. The OLA-1X Turbine driver, Emission Point No. S-04, in the Refinery Gas Recovery Unit, was replaced with an electric motor and will be deleted from pending permit 2361-V2, generating 1.87 tons per year of VOC ERC.

BRCP proposes to withdraw emission reductions credits (ERC) of VOC from the LDEQ Emission Reduction Credits Banking System. The total estimated emission withdraw, in tons per year (TPY) are as follows:

ERC Certificate No.	VOC Balance Before	VOC Offset	VOC Balance After
286PER20080006	3.49	3.49	0
286PER20090019	1.87	1.01	0.86
<b>Total VOC ERC Withdrawn for Offsets:</b>		<b>4.50</b>	

Estimated emissions from Maintrain Ethylene Product Facilities in tons per year are as follows:

Pollutant	Permitted	Proposed	Change
PM <sub>10</sub>	240.70	197.00	-43.70
SO <sub>2</sub>	11.47	11.47	-
NO <sub>x</sub>	1551.78	1551.78	-
CO	1592.92	1592.92	-
VOC	251.95	261.18	+9.23

Emissions changes for VOC (8.99 TPY of 9.23 TPY) are due to consolidating emissions from cooling towers C-01 and C-05. Previously, the emissions from cooling towers have been separated into multiple permits. Now, BRCP are consolidating the emissions into the permit for the unit that is the majority user. Maintrain is the majority user for C-01 and C-05. Emissions due to these sources in the Coproducts and Plant Infrastructure permits will be removed when the permit is renewed or modified

A technical review of the working draft of the proposed permit was submitted to the facility representative and the LDEQ Surveillance Division. Any remarks received during the technical review will be addressed in the "Worksheet for Technical Review of Working Draft of Proposed Permit". All remarks received by LDEQ are included in the record that is available for public review.

Written comments, written requests for a public hearing or written requests for notification of the final decision regarding this permit action may be submitted to Ms. Soumaya Ghosn at LDEQ, Public Participation Group, P.O. Box 4313, Baton Rouge, LA 70821-4313. **Written comments and/or written requests must be received by 12:30 p.m., Monday, March 15, 2010.** Written comments will be considered prior to a final permit decision.

If LDEQ finds a significant degree of public interest, a public hearing will be held. LDEQ will send notification of the final permit decision to the applicant and to each person who has submitted written comments or a written request for notification of the final decision.

The Application, Proposed permit, VOC Emission Reduction Credits and statement of basis are available for review at the LDEQ, Public Records Center, Room 127, 602 North 5<sup>th</sup> Street, Baton Rouge, LA. Viewing hours are from 8:00 a.m. to 4:30 p.m., Monday through Friday (except holidays). **The available information can also be accessed electronically on the Electronic Document Management System (EDMS) on the DEQ public website at [www.deq.louisiana.gov](http://www.deq.louisiana.gov).**

Additional copies may be reviewed at East Baton Rouge Parish Library - Delmont Gardens, 3351 Lorraine St, Baton Rouge, LA 70805.

Inquiries or requests for additional information regarding this permit action should be directed to Cathy Lu, LDEQ, Air Permits Division, P.O. Box 4313, Baton Rouge, LA 70821-4313, phone (225) 219-3124.

Persons wishing to be included on the LDEQ permit public notice mailing list or for other public participation related questions should contact the Public Participation Group in writing at LDEQ, P.O. Box 4313, Baton Rouge, LA 70821-4313, by email at [degmaillistrequest@la.gov](mailto:degmaillistrequest@la.gov) or contact the LDEQ Customer Service Center at (225) 219-LDEQ (219-5337).

**Permit public notices including electronic access to the proposed permit and statement of basis** can be viewed at the LDEQ permits public notice webpage at [www.deq.louisiana.gov/apps/pubNotice/default.asp](http://www.deq.louisiana.gov/apps/pubNotice/default.asp) and general information related to the public participation in permitting activities can be viewed at [www.deq.louisiana.gov/portal/tabid/2198/Default.aspx](http://www.deq.louisiana.gov/portal/tabid/2198/Default.aspx).

Alternatively, individuals may elect to receive the permit public notices via email by subscribing to the LDEQ permits public notice List Server at [http://www.doa.louisiana.gov/oes/listservpage/ldeq\\_pn\\_listserv.htm](http://www.doa.louisiana.gov/oes/listservpage/ldeq_pn_listserv.htm).

**All correspondence should specify AI Number 286, Permit Number 2031-V8, and Activity Number PER20090019.**

**Scheduled publication date: Wednesday, February 10, 2010**

**AIR PERMIT BRIEFING SHEET  
AIR PERMITS DIVISION  
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**Maintrain Ethylene Production Facilities  
Baton Rouge Chemical Plant  
Agency Interest No. 286  
ExxonMobil Chemical Company  
Baton Rouge, East Baton Rouge Parish, Louisiana**

**I. BACKGROUND**

ExxonMobil Chemical Company (ExxonMobil) owns and operates a chemical manufacturing complex, the Baton Rouge Chemical Plant (BRCP). The Maintrain Ethylene Production Facilities (Maintrain) currently operate under Permit No. 2031-V7, issued on December 1, 2008, and was amended on December 4, 2009.

**II. ORIGIN**

A permit application dated December 18, 2009, was submitted requesting a modification of the Part 70 operating permit for Maintrain Ethylene Production Facilities.

**III. DESCRIPTION**

Ethylene Production

The main function of Maintrain is to produce ethylene. The ethylene is produced by high temperature pyrolysis of liquid and/or gas petroleum fractions in tubular cracking furnaces and recovered in downstream distillation operations. Various other coproducts are also produced in the tubular steam-cracking furnaces. These coproducts include, but are not limited to, hydrogen, methane, ethane, propylene, dilute isoprene, steam-cracked naphtha, steam cracked gas oil, and tar. The feedstocks to the cracking furnaces are various petroleum fractions from either the adjacent ExxonMobil Baton Rouge Refinery (BRRF) or from outside sources.

Distillation and/or cryogenic processes separate the products that are formed in the cracking furnaces. The product ethylene and various coproducts are routed via pipelines to third parties or to other units at BRCP or BRRF, or potentially exported via the BRRF marine loading dock on the Mississippi River. In addition to the effluent from the cracking furnaces, the distillation separation facilities may be fed material from outside sources as well as from other BRCP process units.

Caustic scrubbing and various filters, molecular sieves, adsorbents, or catalysts are used to remove water or other impurities from some of the process streams. The spent caustics from these scrubbing and other scrubbing operations at BRCP are either oxidized in the Sulfidic Caustic Operations (SCOLA) Unit for reuse, or shipped out to other facilities that use the sulfidic caustics as raw materials in their processes.

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Sulfidic Caustic Operations (SCOLA)

The SCOLA Unit is operated to disposition the spent sulfidic caustics that are generated from the caustic scrubbing operation in Maintrain, and other units at BRCP and BRRF. These spent caustics are either shipped out to external customers for use as raw materials, or processed by the SCOLA Unit for oxidation. At the SCOLA, the sodium sulfide and sodium mercaptide in spent caustics are oxidized into sodium thiosulfate and hydrocarbon disulfides.

This oxidation process uses steam and hot air. The resulting vapors containing hydrocarbon disulfides (i.e. dimethyl disulfide, methyl-ethyl disulfide, diethyl disulfide) are controlled with the SCOLA Thermal Oxidizer (Emission Point No. S-86). The oxidized caustic is then reused at BRRF.

Dilute Isoprenes Production (DILA)

The DILA Unit produces isoprene through a series of fractionation steps and extractive distillation. The feed to this unit comes from Maintrain. The first two distillation steps in the DILA Unit have been incorporated into the Maintrain permit. The resulting dilute isoprenes are sold to external customers for further purification. The remaining sources in the DILA became part of the Coproducts Units Title V Permit (2367-V1) which was issued July 20, 2007.

In this permit modification BRCP proposed to permit four projects with this construction permit application. Each project is independently viable and justified. Should any of the proposed projects not be pursued, the remaining projects still provide benefit to BRCP. Thus they do not require aggregation under NSR. BRCP proposes to secure permit approval in one application for efficiency.

Project No. 1:

During the Maintrain Ethylene Year 2011 turnaround, BRCP proposes to install multiple enhancements to improve the unit's reliability, energy efficiency and feed flexibility. Major facilities changes include:

- Installation of a new caustic tower, which will eliminate caustic carryover from the existing caustic tower to downstream equipment;
- Retray of an existing tower (Emission Point No. V-547, KUT-52X) and associated piping modifications to reduce fouling;
- Increasing the suction pressure on a major process gas compressor to improve energy efficiency;

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- Installation of a feed preheater to improve energy efficiency;
- Other miscellaneous changes, including but not limited to piping, vessel, tower and reactor modifications.

Construction of these changes is planned beginning in early April 2011 with majority of the construction occurring during the turnaround planned for second half of 2011. Initial startup will occur in 2011. Some activities will occur after the turnaround.

**Project No. 2:**

BRCP proposes an additional project to allow for import of additional butane as replacement for existing feedstocks. Facilities consist of piping components to route the new streams from the boundary of BRCP to the Maintrain Ethylene units. Construction start is planned for the second half of 2011. Initial startup will occur in 2012.

**Project No. 3:**

BRCP proposes to install two diesel-driven air compressors to supplement compressed air needs during decoking operations for steam cracking furnaces at the North Area Control Center (NACC). These new air compressors will supplement the existing NACC air compressor (Emission Point No. S-109). Construction and startup is targeted for the second half of 2010.

**Project No. 4:**

The last change will allow materials with higher hydrogen sulfide content to be stored in Tank 1659 (Emission Point No. T-1659). Only the H<sub>2</sub>S emissions are changing for this tank.

Total project related emission increases in tons per year are as follows:

	VOC	NO <sub>x</sub>	PM <sub>10</sub>	SO <sub>2</sub>	CO	H <sub>2</sub> S
Project No. 1	0.62	3.48	0.27	0.01	2.93	-
Project No. 2	2.14	29.21	2.51	0.05	23.36	-
Project No. 3	0.24	6.40	0.36	0.01	4.38	-
Project No. 4	-	-	-	-	-	0.38
<b>Total</b>	<b>3.00</b>	<b>39.09</b>	<b>3.14</b>	<b>0.07</b>	<b>30.67</b>	<b>0.38</b>

**Prevention of Significant Deterioration (PSD)**

The facility's source category is listed in Table A of the definition of "major stationary source" in LAC 33:III.509. As such, the PSD major source threshold is 100 TPY (of any regulated NSR pollutant).

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**Baton Rouge, East Baton Rouge Parish, Louisiana**

BRCP is a major stationary source under the PSD program, LAC 33:III.509. The emissions increases associated with the proposed facility changes (without regard to decreases) are as follows:

<u>Pollutant</u>	<u>Project Increase</u>	<u>PSD Significance Level</u>	<u>Netting Required?</u>
PM <sub>10</sub>	3.14	25/15 (PM/PM <sub>10</sub> )	No
SO <sub>2</sub>	0.07	40	No
NO <sub>x</sub>	39.09	40	No
CO	30.67	100	No
H <sub>2</sub> S	0.38	40	No

The proposed changes will result in emission increases in CO, NO<sub>x</sub>, PM<sub>10</sub>, SO<sub>2</sub>, and H<sub>2</sub>S emissions. These increases are based on the evaluation of the past actual emissions of the project-impacted sources versus the proposed permitted potential emissions. The resulting increases in emissions will be less than the PSD Significant Threshold for these criteria pollutants. Therefore, PSD permitting requirements are not triggered.

**Nonattainment New Source Review (NNSR)**

BRCP is a major stationary source under the NNSR program, LAC 33:III.504. The emissions increases associated with the proposed projects (without regard to decreases) are as follows:

<u>Pollutant</u>	<u>Project Increase</u>	<u>NNSR Significance Level</u>	<u>Netting Required?</u>
NO <sub>x</sub>	39.09	5	Yes

Project No. 1 – The contemporaneous period is from January 1, 2007 to 4th quarter of 2011.

<u>Pollutant</u>	<u>Project Increase</u>	<u>Contemporaneous Change</u>	<u>Net Emissions Increase</u>	<u>NNSR Significance Level</u>	<u>NNSR Review Required?</u>
NO <sub>x</sub>	3.48	-8.43	-4.95	25	No
VOC	0.62	49.62	50.23	25	Yes

Project No. 2 – The contemporaneous period is from January 1, 2008 to 4th quarter of 2012.

<u>Pollutant</u>	<u>Project Increase</u>	<u>Contemporaneous Change</u>	<u>Net Emissions Increase</u>	<u>NNSR Significance Level</u>	<u>NNSR Review Required?</u>
NO <sub>x</sub>	29.21	-13.34	15.87	25	No
VOC	2.14	34.64	36.78	25	Yes

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**Baton Rouge, East Baton Rouge Parish, Louisiana**

Project No. 3 – The contemporaneous period is from January 1, 2006 to 4th quarter of 2010.

<u>Pollutant</u>	<u>Project Increase</u>	<u>Contemporaneous Change</u>	<u>Net Emissions Increase</u>	<u>NNSR Significance Level</u>	<u>NNSR Review Required?</u>
NO <sub>x</sub>	6.40	-27.07	-20.67	25	No
VOC	0.24	63.96	64.20	25	Yes

Per LAC 33:III.504.L, for any project that would result in a 25 ton or more per year cumulative increase in emissions of VOC within the contemporaneous period, offset for project VOC increases is also needed. Therefore, contemporaneous netting analysis for both NO<sub>x</sub> and VOC were conducted.

The NO<sub>x</sub> emissions increases only associated with the proposed projects are 39.09 tons per year. NO<sub>x</sub> net emissions increases for the contemporaneous period are less than 25 TPY, so, no further NNSR evaluation for NO<sub>x</sub> is required.

The VOC emission increases only associated with the proposed projects are 3.00 tons per year. VOC net emissions increases for the contemporaneous period are greater than 25 TPY, therefore, the project related increases (3 TPY) are offset at a ratio of 1.5:1 by using internal banked BRCP credits.

Also, the following administrative changes are proposed for the permit but not project related:

- In June 17, 2008, BRCP received an updated alternate monitoring plan for 40 CFR 60 Subpart NNN. Therefore 40 CFR 60 Subpart NNN requirements were removed from combustion sources that burn CMM gas (which is a fuel gas system).
- Additional SCOLA equipment will be designated to be subject to 40 CFR 61 Subpart FF, and the treatment process will be changed from the spent caustic separator drum (Emission Point No. V-452) to the SCOLA oxidizer tower and separator drum (Emission Point No. V-454). Also, the following sources will now be considered subject to 40 CFR 61 Subpart FF including Emission Point Nos. T-1737 and T-665. The SCOLA thermal oxidizer (Emission Point No. S-86) will be subject to the Subpart FF control device requirements in 61.349 since the vent from Emission Point No. V-454 is vented to it.

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- Since Maintrain is the majority user of the GFLA 1 Cooling Tower (Emission Point No. C-01) and GFLA 5 (Emission Point No. C-05), all of the emissions from this cooling tower are being rolled into this permit. Emission Point Nos. C-01a, C-01b, C-01c, C-01d, and C-01e are being incorporated into C-01. Emission Point Nos. C-05a, C-05b, and C-05d are being consolidated into C-05.

GFLA 1 Cooling Tower (C-01) is used by the following units:

- C-01a - Maintrain
- C-01b - Coproducts-CPLA
- C-01c - RGR
- C-01d - Coproducts-BPLA
- C-01e - Plant Infrastructure

GFLA 5 Cooling Tower (C-05) is used by the following units:

- C-05a - Maintrain
- C-05b - Coproducts-BELA-5
- C-05d - Plant Infrastructure

- Emission Point No. C-08C has been previously consolidated into C-08 in the Halobutyl permit (Permit No. 2166-V2 issued January 15, 2010). Therefore emissions associated with C-08C are removed from this permit.
- The requirements for the Site Remediation MACT (40 CFR 63 Subpart GGGGG) have been incorporated in the regulatory analysis tables.
- An Additional GC XVII activity is being added for the walnut shell cleaning of turbine blades.

Estimated emissions from Maintrain Ethylene Product Facilities in tons per year are as follows:

Pollutant	Permitted	Proposed	Change
PM <sub>10</sub>	240.70	197.00	-43.70
SO <sub>2</sub>	11.47	11.47	-
NO <sub>x</sub>	1551.78	1551.78	-
CO	1592.92	1592.92	-
VOC	251.95	261.18	+9.23

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VOC LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):

Pollutant	Before	After	Change
1,3-Butadiene	3.55	5.78	+2.23
Acetonitrile	0.01	0.01	-
Benzene	9.51	9.42	-0.09
Biphenyl	0.10	0.10	-
Cresol	0.18	0.18	-
Cumene	0.28	0.28	-
Ethyl Benzene	6.12	6.14	+0.02
Methanol	0.87	0.97	+0.10
Methyl Ethyl Ketone	0.08	0.09	+0.01
Methyl Isobutyl Ketone	0.06	0.06	-
Methyl Tertiary Butyl Ether	0.01	0.01	-
n-Butyl Alcohol	0.02	0.02	-
n-Hexane	10.55	10.53	-0.02
Naphthalene	0.91	0.21	-0.70
Phenol	0.15	0.15	-
PAH	<0.01	<0.01	-
Styrene	1.67	1.69	+0.02
Toluene	6.03	6.03	-
Xylene (mixed isomers)	5.02	5.03	+0.01
Total VOC TAPs	45.12	46.70	+1.58
Other VOC	206.83	214.48	+7.65
Non-VOC TAPs:			
Hydrogen sulfide	7.42	7.80	+0.38
Nickel	0.09	0.09	-
Sulfuric acid	1.00	1.00	-

Emissions changes for 1,3-butadiene, benzene, methanol, methyl ethyl ketone, n-hexane, toluene, xylenes, and VOC (8.99 TPY of 9.23 TPY) are due to consolidating emissions from cooling towers C-01 and C-05. Previously, the emissions from cooling towers have been separated into multiple permits. Now, BRCP are consolidating the emissions into the permit for the unit that is the majority user. Maintrain is the majority user for C-01 and C-05. Emissions due to these sources in the Coproducts and Plant Infrastructure permits will be removed when the permit is renewed or modified.

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**IV. TYPE OF REVIEW**

This application was reviewed for compliance with the Louisiana Part 70 operating permit program, the Louisiana Air Quality Regulations, New Source Performance Standards (NSPS), and National Emission Standards for Hazardous Air Pollutants (NESHAP). Prevention of Significant Deterioration (PSD) review does not apply.

This facility is a major source of toxic air pollutants (TAPs) pursuant to LAC 33:III.Chapter 51.

**V. CREDIBLE EVIDENCE**

Notwithstanding any other provisions of any applicable rule or regulation or requirement of this permit that state specific methods that may be used to assess compliance with applicable requirements, pursuant to 40 CFR Part 70 and EPA's Credible Evidence Rule, 62 Fed. Reg. 8314 (Feb. 24, 1997), any credible evidence or information relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed shall be considered for purposes of Title V compliance certifications. Furthermore, for purposes of establishing whether or not a person has violated or is in violation of any emissions limitation or standard or permit condition, nothing in this permit shall preclude the use, including the exclusive use, by any person of any such credible evidence or information.

**VI. PUBLIC NOTICE**

A notice requesting public comment on the permit was published in *The Advocate*, Baton Rouge, Louisiana on Februray XX, 2010. A copy of the public notice was mailed to concerned citizens listed in the Office of Environmental Services Public Notice Mailing List on February XX, 2010. The draft permit was also submitted to US EPA Region VI. XX comment was received.

**VII. Effects on Ambient Air**

Emissions were reviewed by the Air Quality Assessment Division to ensure compliance with the NAAQS and AAS. The proposed project did not require the applicant to model emissions.

Dispersion Model(s) Used: <None>

**AIR PERMIT BRIEFING SHEET**  
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**ExxonMobil Chemical Company**  
**Baton Rouge, East Baton Rouge Parish, Louisiana**

**VIII. General Condition XVII Activities**

Work Activity	Schedule	Emission Rates - TPY					
		PM <sub>10</sub>	SO <sub>2</sub>	NO <sub>x</sub>	CO	VOC	H <sub>2</sub> S
Sampling Emissions	9,500 per year					0.60	0.1
Mechanical and Shop Emissions	Varies based on need					4.90	0.1
Equipment and Analyzer Preparation & Swaps	Varies based on need					5.00	0.1
Decoking Operations	Varies based on need					0.60	0.1
Maintenance Activities	Varies based on need					4.60	0.1
Exchanger Cleaning	32 per year					0.11	-
Turbine Maintenance/Hulling	100 per year	0.08	-	<0.01	<0.01	-	-

**IX. Insignificant Activities**

ID No.:	Description	Citation
T-2280	Chemical Additive Tank	Insignificant Activity per LAC 33:III.501.B.5.A.3
T-3048	Lube Oil Reservoir (MKC-01)	Insignificant Activity per LAC 33:III.501.B.5.A.3
T-3049	Lube Oil Reservoir (MKC-02)	Insignificant Activity per LAC 33:III.501.B.5.A.3
T-3050A	Lube Oil and Seal Oil Reservoir	Insignificant Activity per LAC 33:III.501.B.5.A.3
T-3050B/C	Lube Oil and Seal Oil Reservoir	Insignificant Activity per LAC 33:III.501.B.5.A.3
T-3051	Seal Oil Reservoir (MHC-01)	Insignificant Activity per LAC 33:III.501.B.5.A.3
T-3052A	Seal Oil Reservoir (KND-43)	Insignificant Activity per LAC 33:III.501.B.5.A.3
T-3052B	Seal Oil Reservoir (KND-44)	Insignificant Activity per LAC 33:III.501.B.5.A.3
T-3053	Lube Oil Reservoir (ZD-29)	Insignificant Activity per LAC 33:III.501.B.5.A.3
T-3055	Oil Mist Skid	Insignificant Activity per LAC 33:III.501.B.5.A.3
T-3056	Lube Oil Tank (MHTK-02)	Insignificant Activity per LAC 33:III.501.B.5.A.3
T-3057	Lube Oil Tank (MHTK-01)	Insignificant Activity per LAC 33:III.501.B.5.A.3
T-3058	Lube Oil Tank (MKD-25)	Insignificant Activity per LAC 33:III.501.B.5.A.2
T-3059	Lube Oil Tank (MND-06)	Insignificant Activity per LAC 33:III.501.B.5.A.2
T-3060	Lube Oil Tank (MSTK-02)	Insignificant Activity per LAC 33:III.501.B.5.A.2
T-3061	Lube Oil Tank (MZTK-06)	Insignificant Activity per LAC 33:III.501.B.5.A.2
T-3062	Lube Oil Tank (MZTK-07)	Insignificant Activity per LAC 33:III.501.B.5.A.2

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ID No.:	Description	Citation
T-3071	Antifoulant Storage Drum	Insignificant Activity per LAC 33:III.501.B.5.A.2
T-3072	Antifoulant Storage Drum	Insignificant Activity per LAC 33:III.501.B.5.A.3
T-3074	Antifoam Storage Drum	Insignificant Activity per LAC 33:III.501.B.5.A.2
T-3122	Lube Oil Sump for SC-01	Insignificant Activity per LAC 33:III.501.B.5.A.3
T-3123	Lube Oil Mist Drum at DILA	Insignificant Activity per LAC 33:III.501.B.5.A.3
T-3329	Antioxidizer Tank	Insignificant Activity per LAC 33:III.501.B.5.A.3
V-30	Analyzer Vents	Insignificant Activity per LAC 33:III.501.B.5.A.9
V-74A	Analyzer Vents	Insignificant Activity per LAC 33:III.501.B.5.A.9
V-395	RVP Analyzer Vent	Insignificant Activity per LAC 33:III.501.B.5.A.9
V-430	RTO Analyzer Vent	Insignificant Activity per LAC 33:III.501.B.5.A.9

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**X. Table 1. Applicable Louisiana and Federal Air Quality Requirements**

ID No.:	Description	LAC 33:III.Chapter																	
		5 <sup>1</sup>	9	11	13	15	2103	2107	2111	2115	2122	2147	2149	2153	22	51*	53	56	59*
UNF0008	Maintrain	1	1	1	1											1		1	1
EQT0676	C-01				2											1			
EQT0677	C-02B				2											1			
EQT0678	C-03A															1			
EQT0679	C-05				2											1			
EQT0681	M-64A											2			1				
EQT0682	M-64B											2			1				
EQT0683	M-64C											3			1				
EQT0684	M-64D											3			1				
EQT0685	M-64E											2			1				
EQT0686	S-01			1	1	3								3		2	2		
EQT0687	S-02			1	1	3								3		2	2		
EQT0688	S-03			1	1	3								3		2	2		
EQT0689	S-06			1	1	3								3		2	2		
EQT0690	S-07			1	1	3								3		2	2		

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**X. Table 1. Applicable Louisiana and Federal Air Quality Requirements**

ID No.:	Description	LAC 33:III.Chapter																		
		51	9	11	13	15	2103	2107	2111	2115	2122	2147	2149	2153	22	51*	53	56	59*	
EQT0691	S-08			1	1	3						3				2	2			
EQT0692	S-09			1	1	3						3				1	2			
EQT0693	S-102			1	1	3						3				3	3			
EQT0694	S-105			1	1	3						3				2	2			
EQT0695	S-106			1	1	3						3				2	2			
EQT0696	S-109			1	1	3										2	2			
EQT0697	S-21			1	1	3						3				2	2			
EQT0698	S-26			1	1	3						3				2	2			
EQT0699	S-33			1	1	3						3				1	1			
EQT0700	S-34			1	1	3						3				1	1			
EQT0701	S-35			1	1	3						3				1	2			
EQT0702	S-36			1	1	3						3				1	2			
EQT0703	S-74			1	1	3						3				1	2			
EQT0704	S-84			1	1	3						3				2	2			
EQT0705	S-87			1	1	3						3				3	3			

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ID No.:	Description	LAC 33:III. Chapter																	
		5 <sup>1</sup>	9	11	13	15	2103	2107	2111	2115	2122	2147	2149	2153	22	51*	53	56	59*
EQT0706	S-89			1	1	3						3				3	3		
EQT0707	S-90			1	1	3						3				3	3		
EQT0708	T-1655					2	2										1		
EQT0709	T-1658					2	2										1		
EQT0710	T-1659					2	2										1		
EQT0711	T-1664					2	2										1		
EQT0712	T-1677					2	2										1		
EQT0713	T-1733					2	2										1		
EQT0714	T-1734						3										1		
EQT0715	T-1737					2	3										1		
EQT0716	T-1968X						1										1		
EQT0717	T-236						3										1		
EQT0718	T-282						3										1		
EQT0719	T-302						3							2			1		
EQT0721	T-3067						3							2			1		

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**X. Table 1. Applicable Louisiana and Federal Air Quality Requirements**

ID No.:	Description	LAC 33:III. Chapter																		
		5 <sup>1</sup>	9	11	13	15	2103	2107	2111	2115	2122	2147	2149	2153	22	51*	53	56	59*	
EQ10722	T-3068						3							2					1	
EQ10723	T-3069				2	3								2					1	
EQ10724	T-3092					3													1	
EQ10725	T-322					3													3	
EQ10726	T-411, N				2	1													1	
EQ10727	T-412, N				2	1													1	
EQ10728	T-416, N				2	1													1	
EQ10729	T-665				2	3													1	
EQ10730	T-771, N				2	1													1	
EQ10731	T-784					1													1	
EQ10764	T-1660					1													1	
EQ10765	T-1916					1													1	
EQ10766	T-3064					1													1	
EQ10767	T-3070					3								2					1	
EQ10768	T-3085					1													1	

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**X. Table I. Applicable Louisiana and Federal Air Quality Requirements**

ID No.:	Description	LAC 33:III.Chapter																								
		5'	9	11	13	15	2103	2107	2111	2115	2122	2147	2149	2153	22	51*	53	56	59*							
EQT0769	T-90						1												1							
EQT0834	T-411, A				2	1													1							
EQT0835	T-412, A				2	1													1							
EQT0836	T-416, A				2	1													1							
EQT0837	T-771, A				2	1													1							
EQT0838	M-01T								1										1							
EQT0995	S-121			1	1	3													2	2						
EQT0996	S-122			1	1	3													2	2						
FUG0046	U-110					2			1		1								1							
FUG0047	U-46G								1		1								1							
FUG0048	U-47J								1		1								1							
RLP0110	M-79				1														1							
RLP0111	V-398					2					1			3					1							
RLP0112	V-97										1			3					3							
RLP0117	V-07										3			2					3							

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**X. Table 1. Applicable Louisiana and Federal Air Quality Requirements**

ID No.:	Description	LAC 33:III.Chapter																			
		5'	9	11	13	15	2103	2107	2111	2115	2122	2147	2149	2153	22	51*	53	56	59*		
RLP0118	V-239											1									
RLP0119	V-341A											1									
RLP0120	V-341B											2									
RLP0121	V-342											3									
RLP0122	V-376											1		2							
RLP0123	V-377											1		2							
RLP0124	V-379											2									
RLP0125	V-380											2									
RLP0126	V-381											2									
RLP0127	V-388											1		2							
RLP0128	V-396A											2									
RLP0129	V-396B											2									
RLP0130	V-397											3									
RLP0131	V-451											1		2							
RLP0132	V-452											1		2							

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**X. Table 1. Applicable Louisiana and Federal Air Quality Requirements**

ID No.:	Description	LAC 33:III. Chapter																			
		5 <sup>1</sup>	9	11	13	15	2103	2107	2111	2115	2122	2147	2149	2153	22	51*	53	56	59*		
RLP0133	V-454									1		3							1		
RLP0134	V-455									3		3		2					1		
RLP0135	V-544									3		2							1		
RLP0136	V-545									3		3							3		
RLP0137	V-546									3		2							1		
RLP1226	V-547									3		2							1		
TRT0001	S-86			1	1	2				1		3				2		1			

\*The regulations indicated above are State Only regulations.

<sup>1</sup>LAC 33:III.501.C.6 citations are federally enforceable except when it specifically states that the regulation is State Only.

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**KEY TO MATRIX**

- 1 - The regulations have applicable requirements that apply to this particular emission source.
- The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2 - The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- 3 - The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

Blank - The regulations clearly do not apply to this type of emission source.



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X. Table 1. Applicable Louisiana and Federal Air Quality Requirements		40 CFR 60 NSPS										40 CFR 63 NESHAP								40 CFR						
		A	DB	Kb	GC	VV	NNN	III	RRR	A	J&V	FF	V	F	H	XX	YY	Q	FFFF	ZZZZ	GGGG	64	68	70		
ID No.	Description																									
EQT0688	S-03										3							2								
EQT0689	S-06										3							2								
EQT0690	S-07										3							2								
EQT0691	S-08										3							2								
EQT0692	S-09				1													3					1			
EQT0693	S-102										3							2								
EQT0694	S-105										3							2								
EQT0695	S-106										3							2								
EQT0696	S-109																	3								
EQT0697	S-21										3							3								
EQT0698	S-26										3							2								
EQT0699	S-33																	3								
EQT0700	S-34																	3								

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ID No.	Description	40 CFR 60 NSPS								40 CFR 63 NESHAP								40 CFR							
		A	DB	K9	GC	VV	NNN	IIII	RRR	A	J&V	FF	V	F	H	XX	YY	Q	FFFF	ZZZZ	GGGG	64	68	70	
EQT0701	S-35																								
EQT0702	S-36																								
EQT0703	S-74																								
EQT0704	S-84											3													
EQT0705	S-87											3													
EQT0706	S-89											3													
EQT0707	S-90											3													
EQT0708	T-1655													3											
EQT0709	T-1658													3											
EQT0710	T-1659													3											
EQT0711	T-1664													3											
EQT0712	T-1677													3											
EQT0713	T-1733													3											

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**X. Table 1. Applicable Louisiana and Federal Air Quality Requirements**

ID No.	Description	40 CFR 60 NSPS								40 CFR 63 NESHAP								40 CFR								
		A	Db	Kb	Gc	Vv	NNN	III	RRR	A	J&V	FF	FF	A	F	H	XX	YY	Q	FFFF	ZZZZ	GGGG	64	68	70	
EQ10714	T-1734		3															3								
EQ10715	T-1737		3								1							1	3							
EQ10716	T-1968X		3															3								
EQ10717	T-236		3															3								
EQ10718	T-282		3															3								
EQ10719	T-302		3								1							1	3							
EQ10720	T-3065																									
EQ10721	T-3067		3								1							1	3							
EQ10722	T-3068		3								1							1	3							
EQ10723	T-3069		3								1							1	3							
EQ10724	T-3092		3															3								
EQ10725	T-322		3																3							
EQ10726	T-411.N		3															1								

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X. Table 1. Applicable Louisiana and Federal Air Quality Requirements		40 CFR 60 NSPS										40 CFR 63 NESHAP								40 CFR					
		A	DB	KP	GC	VV	NNN	III	RRR	A	J&V	FF	A	F	H	XX	YY	Q	FFFF	ZZZZ	GGGG	64	68	70	
EQT0727	T-412, N		3														1								
EQT0728	T-416, N		3														1								
EQT0729	T-665		3													1	3								
EQT0730	T-771, N		3														1								
EQT0731	T-784		3														1								
EQT0764	T-1660		3														1								
EQT0765	T-1916		3														1								
EQT0766	T-3064		3														1	3							
EQT0767	T-3070		3														1	3							
EQT0768	T-3085		3														1	3							
EQT0769	T-90		3														1								
EQT0834	T-411, A		3														1								
EQT0835	T-412, A		3														1								

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		A	DB	KP	GC	VV	NNN	III	RRR	A	J&V	FF	A	F	H	XX	YY	Q	FFFF	ZZZZ	GGGG	64	68	70	
EQT0836	T-416, A		3														1								
EQT0837	T-771, A		3														1								
EQT0838	M-01T													3			1								
EQT0995	S-121						1										3				1				
EQT0996	S-122						1										3				1				
FUG0046	U-110				1									1			1								
FUG0047	U-46G				1									1			1								
FUG0048	U-47J				1									1			1								
RLP0110	M-79																								
RLP0111	V-398					3																			
RLP0112	V-97					3																			
RLP0117	V-07					3																			
RLP0118	V-239					3																			

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X. Table 1. Applicable Louisiana and Federal Air Quality Requirements		40 CFR 60 NSPS												40 CFR 63 NESHAP							40 CFR				
		A	DB	K6	GG	VV	NNN	III	RRR	A	J&V	FF	A	F	H	XX	YY	Q	FFFF	ZZZZ	GGGG	64	68	70	
ID No.	Description																								
RLP0119	V-341A				3																				
RLP0120	V-341B				3																				
RLP0121	V-342				3																				
RLP0122	V-376				3						1				1										
RLP0123	V-377				3						1				1										
RLP0124	V-379				1																				
RLP0125	V-380				1																			1	
RLP0126	V-381				3																				
RLP0127	V-388				3																				
RLP0128	V-396A				1																			1	
RLP0129	V-396B				3																				
RLP0130	V-397				3																				
RLP0131	V-451				3																				

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Agency Interest No. 286  
Baton Rouge Chemical Plant  
ExxonMobil Chemical Company  
Baton Rouge, East Baton Rouge Parish, Louisiana**

**X. Table 1. Applicable Louisiana and Federal Air Quality Requirements**

ID No.	Description	40 CFR 60 NSPS								40 CFR 63 NESHAP								40 CFR							
		A	DB	KB	GC	VV	NNN	IIII	RRR	A	J&V	FF	A	F	H	XX	YY	Q	FFFF	ZZZZ	GGGG	64	68	70	
RLP0132	V-452						3									1									
RLP0133	V-454						3									3							1		
RLP0134	V-455						3									1									
RLP0135	V-544						3																		
RLP0136	V-545						3																		
RLP0137	V-546						3																		
RLP1226	V-547						3																		
TRT0001	S-86						3									1									1

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**KEY TO MATRIX**

- 1 - The regulations have applicable requirements that apply to this particular emission source.
- The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2 - The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- 3 - The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

Blank - The regulations clearly do not apply to this type of emission source.

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**X. Table 2. Explanation for Exemption Status or Non-Applicability of a Source**

ID No:	Requirement	Notes
EQT0677 C-02B EQT0678 C-03A	NESHAP for Source Categories Subpart Q - Chromium Emissions from Industrial Process Cooling Towers (IPCT) [40 CFR Part 63.400(a)]	DOES NOT APPLY. No water treatment chemicals containing chromium or chromium compounds in use at the IPCT.
EQT0677 C-02B	NESHAP for Source Categories Subpart F - Heat Exchange System Requirements [40 CFR 63.100(b)]	DOES NOT APPLY. This re-circulating heat exchange system is not used to cool process equipment in a CMPU subject to the SOCMH HON.
EQT0677 C-02B	Emission Standards for Sulfur Dioxide - Reduced Sulfur Compounds [LAC 33:III.1509]	EXEMPT. Source emits <10 TPY of sulfur compounds measured as hydrogen sulfide.
EQT0676 C-01 EQT0679 C-05	NESHAP for Source Categories Subpart Q - Chromium Emissions from Industrial Process Cooling Towers (IPCT) [40 CFR Part 63.400(a)]	DOES NOT APPLY. No water treatment chemicals containing chromium or chromium compounds in use at the IPCT.
EQT0838 M-01T	Emission Standards for Sulfur Dioxide - Reduced Sulfur Compounds [LAC 33:III.1509]	EXEMPT. Source emits <10 TPY of sulfur compounds measured as hydrogen sulfide.
	NESHAP for Source Categories Subpart F - Transfer Operations Provisions [40 CFR 63.100(b)]	DOES NOT APPLY. The loading operation of this product is not from a CMPU subject to the HON.

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**X. Table 2. Explanation for Exemption Status or Non-Applicability of a Source**

ID No:	Requirement	Notes	
EQT0681 M-64A	Control of Emission of Organic Compounds - Standards for Industrial Wastewater [LAC 33:III.2153.G.6]	EXEMPT. Any component of a wastewater storage, handling, transfer, or treatment facility that is subject to NESHAP Part 61 Subpart FF is exempt from this section.	
EQT0682 M-64B			
EQT0685 M-64E			
EQT0683 M-64C	Control of Emission of Organic Compounds - Standards for Industrial Wastewater [LAC 33:III.2153.A]	DOES NOT APPLY. Does not meet the definition of affected VOC wastewater.	
EQT0684 M-64D			
EQT0686 S-01	Emission Standards for Sulfur Dioxide - Emission Limitations [LAC 33:III.1502.A.3]	DOES NOT APPLY. Sources emit less than 5 tpy of sulfur dioxide to the atmosphere.	
EQT0687 S-02			
EQT0688 S-03	Control of Emission of Organic Compounds - Limiting VOC Emissions from SOxMI Reactor Processes and Distillation Operations [LAC 33:III.2147.B]	DOES NOT APPLY. Does not meet the definition of a reactor process or distillation operation.	
EQT0689 S-06			
EQT0690 S-07	Control of Emissions of Nitrogen Oxides (NOx) in the Baton Rouge Nonattainment Area and the Region of Influence [LAC 33:III.2201.C.15]	These point sources are required to meet a more stringent state/federal NOx emission limitation. These furnaces are part of the 10-furnace cap. The overall NOx emissions for this cap are 771.0 tons/year. The firing rate limitation for the cap is 21,024,000 MMBtu/yr. Therefore, the resulting NOx emission factor is 0.073 lb/MMBtu, which is less than the Chapter 22 regulatory requirement of 0.08 lb/MMBtu.	
EQT0691 S-08			
EQT0698 S-26			
EQT0704 S-84			
EQT0694 S-105			
EQT0695 S-106			
		Comprehensive Toxic Air Pollutant Emission Control Program [LAC 33:III.5105.B.3]	EXEMPT. Combustion of Group 1 and Group 2 virgin fossil fuels.

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**X. Table 2. Explanation for Exemption Status or Non-Applicability of a Source**

ID No:	Requirement	Notes
EQT0686 S-01	NSPS Subpart RRR - SO2MI Reactor Processes	DOES NOT APPLY. There is no gas stream that is discharged to the atmosphere either directly or indirectly after diversion through other process equipment. Therefore, there are no vent streams from these reactors.
EQT0687 S-02	[40 CFR 60.701]	
EQT0688 S-03	NESHAP for Source Categories Subpart YY - Generic MACT-Ethylene Production	EXEMPT. Ethylene cracking furnaces are emission points that are part of the affected source for an ethylene production unit. Emissions from ethylene cracking furnaces are not subject to any of the requirements in 63.1103(e)(3).
EQT0689 S-06	[40 CFR 63.1103(e)(1)]	
EQT0690 S-07		
EQT0691 S-08		
EQT0698 S-26		
EQT0704 S-84		
EQT0694 S-105		
EQT0695 S-106		
EQT0692 S-09	Emission Standards for Sulfur Dioxide - Emission Limitations [LAC 33:III.1502.A.3]	DOES NOT APPLY. Source emits less than 5 tpy of sulfur dioxide to the atmosphere.
	Control of Emission of Organic Compounds - Limiting VOC Emissions from SO2MI Reactor Processes and Distillation Operations [LAC 33:III.2147.A]	DOES NOT APPLY. The source does not control any vent stream discharged from a SO2MI reactor process or distillation operation.
	Comprehensive Toxic Air Pollutant Emission Control Program [LAC 33:III.5105.B.3]	EXEMPT. Combustion of Group 1 and Group 2 virgin fossil fuels.

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**X. Table 2. Explanation for Exemption Status or Non-Applicability of a Source**

ID No:	Requirement	Notes
EQT0692 S-09	NESHAP for Source Categories Subpart YY - Generic MACT-Ethylene Production [40 CFR 63.1103(e)(1)]	DOES NOT APPLY. This emission point is not part of the affected source for any ethylene production unit.
EQT0705 S-87	Emission Standards for Sulfur Dioxide - Emission Limitations	DOES NOT APPLY. Sources emit less than 5 tpy of sulfur dioxide to the atmosphere.
EQT0706 S-89	[LAC 33:III.1502.A.3]	
EQT0707 S-90	Control of Emission of Organic Compounds - Limiting VOC Emissions from SOCM I Reactor Processes and Distillation Operations	DOES NOT APPLY. Does not meet the definition of a vent stream. Vent stream does not contain VOCs.
EQT0693 S-102	[LAC 33:III.2147.B]	
	Control of Emissions of Nitrogen Oxides (NO <sub>x</sub> ) in the Baton Rouge Nonattainment Area and the Region of Influence. [LAC 33:III.2201]	DOES NOT APPLY. Sources do not emit NO <sub>x</sub> .
	Comprehensive Toxic Air Pollutant Emission Control Program [LAC 33:III.5109]	DOES NOT APPLY. These sources do not emit any TAPs.
	NSPS Subpart RRR - SOCM I Reactor Processes [40 CFR 60.701]	DOES NOT APPLY. Does not meet the definition of a reactor process. These sources are in furnace decoking operations.

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**X. Table 2. Explanation for Exemption Status or Non-Applicability of a Source**

ID No:	Requirement	Notes
EQT0705 S-87	NESHAP for Source Categories Subpart YY - Generic MACT -Ethylene Production	EXEMPT. Furnace stack emissions during decoking operations are emission points that are part of the affected source for an ethylene production unit. Emissions from decoking operations are not subject to any of the requirements in 63.1103(e)(3).
EQT0706 S-89	[40 CFR 63.1103(e)(1)]	DOES NOT APPLY. Sources emit less than 5 tpy of sulfur dioxide to the atmosphere.
EQT0707 S-90	Emission Standards for Sulfur Dioxide - Emission Limitations	DOES NOT APPLY. Does not meet the definition of a reactor process or distillation operation.
EQT0693 S-102	[LAC 33:III.1502.A.3]	EXEMPT. Maximum rated capacity of the boiler/process heater/furnace is <40 MM BTU/hr.
EQT0697 S-21	Control of Emission of Organic Compounds - Limiting VOC Emissions from SOCM I Reactor Processes and Distillation Operations	EXEMPT. Combustion of Group 1 and Group 2 virgin fossil fuels.
	[LAC 33:III.2147.B]	DOES NOT APPLY. Does not meet the definition of a reactor process. This source is a heater.
	Control of Emissions of Nitrogen Oxides (NOx) in the Baton Rouge Nonattainment Area and the Region of Influence	DOES NOT APPLY. This emission point is not part of the affected source for any ethylene production unit.
	[LAC 33:III.2201.C.1]	
	Comprehensive Toxic Air Pollutant Emission Control Program	
	[LAC 33:III.5109]	
	NSPS Subpart RRR - SOCM I Reactor Processes	
	[40 CFR 60.701]	
	NESHAP for Source Categories Subpart YY - Generic MACT-Ethylene Production	
	[40 CFR 63.1103(e)(1)]	

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<b>Table 2. Explanation for Exemption Status or Non-Applicability of a Source</b>		
ID No:	Requirement	Notes
EQT0699 S-33 EQT0700 S-34	Emission Standards for Sulfur Dioxide - Emission Limitations [LAC 33:III.1502.A.3]  Control of Emission of Organic Compounds - Limiting VOC Emissions from SOCM I Reactor Processes and Distillation Operations [LAC 33:III.2147.A.2.g and 2147.B]	DOES NOT APPLY. Sources emit less than 5 tpy of sulfur dioxide to the atmosphere.  DOES NOT APPLY. Source burns CMM gas which is a primary fuel system and therefore excluded from the definition of vent stream. Also, source burns a secondary vent stream that is subject to the requirements of HON, and therefore exempt from these provisions.
EQT0701 S-35 EQT0702 S-36 EQT0704 S-74	NESHAP for Source Categories Subpart YY - Generic MACT-Ethylene Production [40 CFR 63.1103(e)(1)]  Emission Standards for Sulfur Dioxide - Emission Limitations [LAC 33:III.1502.A.3]  Control of Emission of Organic Compounds - Limiting VOC Emissions from SOCM I Reactor Processes and Distillation Operations [LAC 33:III.2147.B]  Comprehensive Toxic Air Pollutant Emission Control Program [LAC 33:III.5109]	DOES NOT APPLY. These sources are steam generating boilers that are not part of the affected source for an ethylene production unit.  DOES NOT APPLY. Sources emit less than 5 tpy of sulfur dioxide to the atmosphere.  DOES NOT APPLY. Source burns CMM gas which is a primary fuel system and therefore excluded from the definition of vent stream.  EXEMPT. Combustion of Group 1 and Group 2 virgin fossil fuels.

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**X. Table 2. Explanation for Exemption Status or Non-Applicability of a Source**

ID No:	Requirement	Notes
EQ10701 S-35	NESHAP for Source Categories Subpart YY - Generic MACT-Ethylene Production	DOES NOT APPLY. These sources are steam generating boilers that are not part of the affected source for an ethylene production unit.
EQ10702 S-36	{40 CFR 63.1103(e)(1)}	EXEMPT. Source emits <250 tons per year of sulfur compounds. On 1/3/97, LDEQ approved exemptions that exclude this source from the 2,000 ppmv SO <sub>2</sub> limit.
EQ10704 S-74	Emission Standards for Sulfur Dioxide - Emission Limitations [LAC 33:III.1503.C]	DOES NOT APPLY. The source does not control any vent stream discharged from a SO <sub>2</sub> reactor process or distillation operation.
TRT0001 S-86	Control of Emission of Organic Compounds - Limiting VOC Emissions from SO <sub>2</sub> Reactor Processes and Distillation Operations [LAC 33:III.2147.A]	EXEMPT. This source is combustion equipment (without heat recovery) designed and operated primarily for the treatment of gaseous waste.
	Control of Emissions of Nitrogen Oxides (NO <sub>x</sub> ) in the Baton Rouge Nonattainment Area and the Region of Influence [LAC 33:III.2201.B and 2201.C.7]	DOES NOT APPLY. Does not meet the definition of a reactor process. This source is a thermal oxidizer.
	NSPS Subpart RRR - SO <sub>2</sub> Reactor Processes [40 CFR 60.701]	DOES NOT APPLY. This combustion source does not burn any fuels that contain vents from NSPS NNN distillation operations.
	NSPS Subpart NNN - SO <sub>2</sub> Distillation Operations [40 CFR 60.660]	DOES NOT APPLY. This emission point is not part of the affected source for an ethylene production unit.
	NESHAP for Source Categories Subpart YY - Generic MACT-Ethylene Production [40 CFR 63.1103(e)(1)]	

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**X. Table 2. Explanation for Exemption Status or Non-Applicability of a Source**

ID No:	Requirement	Notes
EQT0696 S-109 EQT0995 S-121 EQT0996 S-122	Emission Standards for Sulfur Dioxide - Emission Limitations [LAC 33:III.1502.A.3]  Control of Emissions of Nitrogen Oxides (NO <sub>x</sub> ) in the Baton Rouge Nonattainment Area and the Region of Influence. [LAC 33:III.2201.C.14]  Comprehensive Toxic Air Pollutant Emission Control Program [LAC 33:III.5109]  NESHAP for Source Categories Subpart YY - Generic MACT-Ethylene Production [40 CFR 63.1103(e)(1)]	DOES NOT APPLY. Sources emit less than 5 tpy of sulfur dioxide to the atmosphere.  EXEMPT. Diesel fired stationary internal combustion engines are exempt from the NOx RACT requirements.  EXEMPT. Combustion of Group 1 and Group 2 virgin fossil fuels.  DOES NOT APPLY. This emission point is not part of the affected source for any ethylene production unit.
EQT0696 S-109	NESHAP for Source Categories Subpart ZZZZ - Stationary Reciprocating Internal Combustion Engines [40 CFR 63.6590(a)]	DOES NOT APPLY. Does not meet the definition of an affected source. Engine is <500 HP.

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**X. Table 2. Explanation for Exemption Status or Non-Applicability of a Source**

ID No:	Requirement	Notes
EQT0708 T-1655	Emission Standards for Sulfur Dioxide - Reduced Sulfur Compounds [LAC 33:III.1509]	EXEMPT. Source emits <10 TPY of sulfur compounds measured as hydrogen sulfide.
EQT0709 T-1658		
EQT0710 T-1659		
EQT0711 T-1664	Control of Emission of Organic Compounds - Storage of VOC Compounds [LAC 33:III.2103]	EXEMPT. Storage vessels storing VOC with true vapor pressure < 1.5 psia are exempt from the provisions of this section.
EQT0712 T-1677		
EQT0713 T-1733	NSPS Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels [40 CFR 60.110b(a)]	DOES NOT APPLY. No construction, reconstruction, or modification after July 23, 1984.
	NESHAP for Source Categories Subpart YY - Generic MACT-Ethylene Production-Storage Vessel Provisions [40 CFR 63.1103(e)]	DOES NOT APPLY. This storage vessel has a capacity > 95 m <sup>3</sup> , but the organic HAP maximum true vapor pressure is < 3.4 kPa. Therefore, the source is not subject to any requirements of 63 Subpart YY.
EQT0715 T-1737	Emission Standards for Sulfur Dioxide - Reduced Sulfur Compounds [LAC 33:III.1509]	EXEMPT. Source emits <10 TPY of sulfur compounds measured as hydrogen sulfide.
EQT0723 T-3069		
EQT0729 T-665		
FUG0046 U-100		

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**Table 2. Explanation for Exemption Status or Non-Applicability of a Source**

ID No:	Requirement	Notes
EQT0714 T-1734	Control of Emission of Organic Compounds - Storage of VOC Compounds [LAC 33:III.2103]	DOES NOT APPLY. The maximum true vapor pressure (at storage conditions) of the liquid stored in this vessel is <1.5 psia.
EQT0717 T-236	Control of Emission of Organic Compounds - Storage of VOC Compounds [LAC 33:III.2103]	DOES NOT APPLY. The maximum true vapor pressure (at storage conditions) of the liquid stored in this vessel is <1.5 psia.
EQT0724 T-3092	Control of Emission of Organic Compounds - Storage of VOC Compounds [LAC 33:III.2103]	DOES NOT APPLY. The maximum true vapor pressure (at storage conditions) of the liquid stored in this vessel is <1.5 psia.
EQT0715 T-1737	Control of Emission of Organic Compounds - Storage of VOC Compounds [LAC 33:III.2103]	DOES NOT APPLY. The maximum true vapor pressure (at storage conditions) of the liquid stored in this vessel is <1.5 psia.
EQT0721 T-3067	Control of Emission of Organic Compounds - Storage of VOC Compounds [LAC 33:III.2103]	DOES NOT APPLY. The maximum true vapor pressure (at storage conditions) of the liquid stored in this vessel is <1.5 psia.
EQT0722 T-3068	Control of Emission of Organic Compounds - Storage of VOC Compounds [LAC 33:III.2103]	DOES NOT APPLY. The maximum true vapor pressure (at storage conditions) of the liquid stored in this vessel is <1.5 psia.
EQT0725 T-322	Control of Emission of Organic Compounds - Storage of VOC Compounds [LAC 33:III.2103]	DOES NOT APPLY. The maximum true vapor pressure (at storage conditions) of the liquid stored in this vessel is <1.5 psia.
EQT0729 T-665	Control of Emission of Organic Compounds - Storage of VOC Compounds [LAC 33:III.2103]	DOES NOT APPLY. The maximum true vapor pressure (at storage conditions) of the liquid stored in this vessel is <1.5 psia.
EQT0767 T-3070	Control of Emission of Organic Compounds - Storage of VOC Compounds [LAC 33:III.2103]	DOES NOT APPLY. The maximum true vapor pressure (at storage conditions) of the liquid stored in this vessel is <1.5 psia.
EQT0719 T-302	Control of Emission of Organic Compounds - Storage of VOC Compounds [LAC 33:III.2103]	DOES NOT APPLY. Container has a capacity less than 250 gallons.
EQT0723 T-3069	Control of Emission of Organic Compounds - Storage of VOC Compounds [LAC 33:III.2103]	DOES NOT APPLY. Container has a capacity less than 250 gallons.
EQT0834 T-411, A	Emission Standards for Sulfur Dioxide - Reduced Sulfur Compounds [LAC 33:III.1509]	EXEMPT. Source emits <10 TPY of sulfur compounds measured as hydrogen sulfide.
EQT0835 T-412, A	Emission Standards for Sulfur Dioxide - Reduced Sulfur Compounds [LAC 33:III.1509]	EXEMPT. Source emits <10 TPY of sulfur compounds measured as hydrogen sulfide.
EQT0836 T-416, A	Emission Standards for Sulfur Dioxide - Reduced Sulfur Compounds [LAC 33:III.1509]	EXEMPT. Source emits <10 TPY of sulfur compounds measured as hydrogen sulfide.
EQT0837 T-771, A	Emission Standards for Sulfur Dioxide - Reduced Sulfur Compounds [LAC 33:III.1509]	EXEMPT. Source emits <10 TPY of sulfur compounds measured as hydrogen sulfide.

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**X. Table 2. Explanation for Exemption Status or Non-Applicability of a Source**

ID No:	Requirement	Notes
EQT0715 T-1737	NSPS Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels	DOES NOT APPLY. No construction, reconstruction, or modification after July 23, 1984.
EQT0718 T-282	[40 CFR 60.110b(a)]	
EQT0730 T-771, N		
EQT0731 T-784		
EQT0764 T-1660		
EQT0765 T-1916		
EQT0769 T-90		
EQT0837 T-771, A		
EQT0714 T-1734	NSPS Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels	DOES NOT APPLY. A storage vessel that must be controlled by the 63 Subpart YY and 60 Subpart Kb is required to comply only with 63 Subpart YY.
EQT0726 T-411, N	[40 CFR 63.1100(g)(1)(ii)]	
EQT0727 T-412, N		
EQT0728 T-416, N		
EQT0834 T-411, A		
EQT0835 T-412, A		
EQT0836 T-416, A		

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<b>Table 2. Explanation for Exemption Status or Non-Applicability of a Source</b>		
ID No:	Requirement	Notes
EQT0716 T-1968X EQT0717 T-236 EQT0719 T-302 EQT0721 T-3067 EQT0722 T-3068 EQT0723 T-3069 EQT0767 T-3070 EQT0768 T-3085 EQT0725 T-322	NSPS Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels [40 CFR 60.110b(a)]	DOES NOT APPLY. Storage vessel has capacity <19,812 gallons.
EQT0724 T-3092	NSPS Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels [40 CFR 60.110b(a)]	DOES NOT APPLY. Storage vessel has capacity <10,000 gallons.
EQT0766 T-3064	NSPS Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels [40 CFR 60.111b]	DOES NOT APPLY. Does not meet the definition of a storage vessel. Process tanks are excluded from the definition of storage vessel.
EQT0729 T-665	NSPS Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels [40 CFR 60.110b(b)]	DOES NOT APPLY. Vessels with capacity ≥ 39,889 gals storing a liquid with maximum vapor pressure less than 0.51 psia are not subject to this subpart.

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<b>Table 2. Explanation for Exemption Status or Non-Applicability of a Source</b>		Notes
ID No:	Requirement	
EQT0715 T-1737	NESHAP for Source Categories Subpart YY - Generic MACT-Ethylene Production-Storage Vessel Provisions [40 CFR 63.1101]	DOES NOT APPLY. Wastewater storage vessels are not included in the definition of storage vessels, and therefore are not subject to Subpart YY
EQT0719 T-302		
EQT0766 T-3064		
EQT0721 T-3067		
EQT0722 T-3068		
EQT0723 T-3069		
EQT0767 T-3070		
EQT0768 T-3085		
EQT0729 T-665		
EQT0725 T-322	NESHAP for Source Categories Subpart YY - Generic MACT-Ethylene Production-Storage Vessel Provisions [40 CFR 63.1103(e)(1)]	DOES NOT APPLY. This is an emission point associated with the ethylene production unit, but is not subject to any requirements since it does not contain organic HAP.
EQT0716 T-1968X		
EQT0714 T-1734	NESHAP for Source Categories Subpart YY - Generic MACT-Ethylene Production-Storage Vessel Provisions [40 CFR 63.1103(e)]	DOES NOT APPLY. This storage vessel has a capacity >95 m <sup>3</sup> , but the organic HAP maximum true vapor pressure is <3.4 kPa. Therefore, the source is not subject to any requirements of 63 Subpart YY
EQT0718 T-282		
EQT0717 T-236	NESHAP for Source Categories Subpart YY - Generic MACT-Ethylene Production-Storage Vessel Provisions [40 CFR 63.1103(e)(1)]	DOES NOT APPLY. This storage vessel has a capacity <4 m <sup>3</sup> and the organic HAP maximum true vapor pressure is <3.4 kPa. Therefore, the source is not subject to any requirements of 63 Subpart YY.
EQT0724 T-3092		

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**X. Table 2. Explanation for Exemption Status or Non-Applicability of a Source**

ID No:	Requirement	Notes
RLP0117 V-07 RLP0120 V-341B RLP0124 V-379 RLP0125 V-380 RLP0126 V-381 RLP0128 V-396A RLP0129 V-396B RLP0135 V-544 RLP0137 V-546 RLP1226 V-547	Control of Emission of Organic Compounds - Limiting VOC Emissions from SOCM I Reactor Processes and Distillation Operations [LAC 33:III.2147.A.2.g]	EXEMPT. Any reactor process or distillation operation that is subject to the SOCM I HON, NSPS Subpart NNN or RRR is not subject to the provisions of LAC 33:III.2147.
RLP0118 V-239 RLP0119 V-341A RLP0122 V-376 RLP0123 V-377 RLP0131 V-451 RLP0127 V-388	Control of Emission of Organic Compounds - Limiting VOC Emissions from SOCM I Reactor Processes and Distillation Operations [LAC 33:III.2147.A.2.a]	EXEMPT. Any reactor process or distillation vent stream for which any existing combustion device is used to control VOC emissions is not required to meet the 98% destruction, or 20 ppmv emissions limit until the combustion device is replaced for other reasons. The source is still subject to the applicable monitoring and recordkeeping requirements.

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**X. Table 2. Explanation for Exemption Status or Non-Applicability of a Source**

ID No:	Requirement	Notes
RLP0121 V-342	Control of Emission of Organic Compounds - Limiting VOC Emissions from	DOES NOT APPLY. There is no vent stream.
RLP0130 V-397	SOCMI Reactor Processes and Distillation Operations	
RLP0136 V-545	[LAC 33:III.2147.B]	
RLP0111 V-398	Control of Emission of Organic Compounds - Limiting VOC Emissions from	DOES NOT APPLY. Does not meet the definition of a reactor process or distillation operation. Distillation/reaction operations do not occur at these sources.
RLP0134 V-455	SOCMI Reactor Processes and Distillation Operations	
RLP0112 V-97	[LAC 33:III.2147.B]	
RLP0132 V-452	Control of Emission of Organic Compounds - Limiting VOC Emissions from	DOES NOT APPLY. Does not produce any of the SOCMI chemicals listed in Table 8 in LAC 33:III Chapter 21 Appendix A as a final product or intermediate.
RLP0133 V-454	SOCMI Reactor Processes and Distillation Operations	
	[LAC 33:III.2147.A]	
RLP0133 V-454	Control of Emission of Organic Compounds - Limiting VOC Emissions from	DOES NOT APPLY. The source does not control any vent stream discharged from a SOCMI reactor process or distillation operation.
	SOCMI Reactor Processes and Distillation Operations	
	[LAC 33:III.2147.A]	

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**X. Table 2. Explanation for Exemption Status or Non-Applicability of a Source**

ID No:	Requirement	Notes
RLP0117 V-07	Control of Emission of Organic Compounds - Waste Gas Disposal [LAC 33:III.2115]	DOES NOT APPLY. This regulation does not apply to any waste gas stream that is required by another federal or state regulation to implement controls that reduce VOCs to a more stringent standard than would be required by this section.
RLP0120 V-341B		
RLP0122 V-376		
RLP0123 V-377		
RLP0131 V-451		
RLP0124 V-379		
RLP0125 V-380		
RLP0126 V-381		
RLP0127 V-388		
RLP0128 V-396A		
RLP0129 V-396B		
RLP0132 V-452		
RLP0134 V-455		
RLP0135 V-544		
RLP0137 V-546		
RLP1226 V-547		

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**X. Table 2. Explanation for Exemption Status or Non-Applicability of a Source**

ID No:	Requirement	Notes
RLP0118 V-239	Control of Emission of Organic Compounds - Waste Gas Disposal [LAC 33:III.2115]	DOES NOT APPLY. Per the requirements in LAC 33:III.2147(A)(1), any source that is subject to the Waste Gas Disposal requirements in LAC 33:III.2115, and to SOCM I Reactor Processes and Distillation Operations requirements in LAC 33:II.2147 shall comply only with LAC 33:III.2147.
RLP0121 V-342	Control of Emission of Organic Compounds - Waste Gas Disposal [LAC 33:II.2115.M]	DOES NOT APPLY. There is no vent stream to the atmosphere.
RLP0130 V-397	Control of Emission of Organic Compounds - Waste Gas Disposal [LAC 33:II.2115.M]	
RLP0136 V-545	Control of Emission of Organic Compounds - Waste Gas Disposal [LAC 33:II.2115.H.1.d]	EXEMPT. The waste gas stream has a concentration of VOCs less than 0.044 psia true partial pressure. Records must be kept to demonstrate exempt status.
RLP0111 V-398	Control of Emission of Organic Compounds - Waste Gas Disposal [LAC 33:II.2115.H.1.d]	EXEMPT. The waste gas stream has a combined weight of VOC ≤ 100 lbs in any continuous 24-hr period. Records must be kept to demonstrate exempt status.
RLP0112 V-97	Control of Emission of Organic Compounds - Waste Gas Disposal [LAC 33:II.2115.H]	EXEMPT. Any component of a wastewater storage, handling, transfer, or treatment facility that is subject to NESHAP Part 61 Subpart FF is exempt from this section.
RLP0122 V-376	Control of Emission of Organic Compounds - Standards for Industrial Wastewater [LAC 33:III.2153.G.6]	
RLP0123 V-377	Control of Emission of Organic Compounds - Standards for Industrial Wastewater [LAC 33:III.2153.G.6]	
RLP0131 V-451	Control of Emission of Organic Compounds - Standards for Industrial Wastewater [LAC 33:III.2153.G.6]	
RLP0127 V-388	Control of Emission of Organic Compounds - Standards for Industrial Wastewater [LAC 33:III.2153.G.6]	
RLP0132 V-452	Control of Emission of Organic Compounds - Standards for Industrial Wastewater [LAC 33:III.2153.G.6]	
RLP0134 V-455	Control of Emission of Organic Compounds - Standards for Industrial Wastewater [LAC 33:III.2153.G.6]	

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**Table 2. Explanation for Exemption Status or Non-Applicability of a Source**

X. ID No:	Requirement	Notes
RLP0111 V-398	Control of Emission of Organic Compounds - Standards for Industrial Wastewater [LAC 33:III.2153.A]	DOES NOT APPLY. Does not meet the definition of affected VOC wastewater.
RLP0117 V-07	Emission Standards for Sulfur Dioxide - Reduced Sulfur Compounds [LAC 33:III.1509]	EXEMPT. Source emits <10 TPY of sulfur compounds measured as hydrogen sulfide.
RLP0126 V-381	NSPS Subpart NNN - SOCFMI Distillation Operations	DOES NOT APPLY. A process vent that must be controlled according to the process vent provisions in 40 CFR 63 Subpart YY and is also subject to NSPS NNN is required to comply only with the provisions of 63 Subpart YY.
RLP0129 V-396B	[40 CFR 60.1100(g)(2)(ii)]	
RLP0135 V-544		
RLP0137 V-546		
RLP1226 V-547		
RLP0118 V-239	NSPS Subpart NNN - SOCFMI Distillation Operations	DOES NOT APPLY. No construction, reconstruction, or modification commenced after December 30, 1983.
RLP0119 V-341A	[40 CFR 60.660(b)]	
RLP0120 V-341B		
RLP0122 V-376		
RLP0123 V-377		
RLP0131 V-451		
RLP0127 V-388		

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**X. Table 2. Explanation for Exemption Status or Non-Applicability of a Source**

ID No.	Requirement	Notes
RLP0121 V-342	NSPS Subpart NNN - SOCFI Distillation Operations	DOES NOT APPLY. Does not meet the definition of a vent stream. There is no discharge to the atmosphere.
RLP0136 V-545	[40 CFR 60.661]	
RLP0130 V-397	NSPS Subpart NNN - SOCFI Distillation Operations	DOES NOT APPLY. Does not meet the definition of a distillation operation.
RLP0111 V-398	[40 CFR 60.661]	
RLP0134 V-455		
RLP0112 V-97		
RLP0132 V-452	NSPS Subpart NNN - SOCFI Distillation Operations	DOES NOT APPLY. Process unit does not produce any of the SOCFI chemicals listed in 40 CFR 60.667 as a product, coproduct, by-product, or intermediate.
RLP0133 V-454	[40 CFR 60.660(a)]	
RLP0118 V-239	NESHAP for Source Categories Subpart YY - Generic MACT-Ethylene	DOES NOT APPLY. Does not meet the definition of ethylene process vent. These vents are non-routine and typically associated with startup and shutdown, which are excluded from the definition of ethylene process vent.
RLP0119 V-341A	Production-Process Vent Provisions	
RLP0121 V-342	[40 CFR 63.1103(e)(2)]	
RLP0124 V-379		
RLP0125 V-380		
RLP0128 V-396A		
RLP0130 V-397		
RLP0111 V-398		
RLP0112 V-97		

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<b>X. Table 2. Explanation for Exemption Status or Non-Applicability of a Source</b>		
ID No:	Requirement	Notes
EQT0725 T-322 RLP0112 V-97 RLP0121 V-342 RLP0124 V-379 RLP0125 V-380 RLP0128 V-396A RLP0130 V-397	Comprehensive Toxic Air Pollutant Emission Control Program [LAC 33:III.5109]	This source does not emit any TAPs.
RLP0136 V-545	Comprehensive Toxic Air Pollutant Emission Control Program [LAC 33:III.5109]	This source has no vent.

The above table provides explanation for both the exemption status or non-applicability of a source cited by 1, 2 or 3 in the matrix presented in Section X (Table 1) of this permit.

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<b>EMISSION ID</b>	<b>DESCRIPTION</b>	<b>NOTES</b>
EQT838 M-01T	C <sub>2</sub> /C <sub>3</sub> LOADING (ACLA RACK)	Vapors are routed to the BRCP Flare Gas Recovery System. This is a primary fuel supply for site process heaters and boilers. The vent stream that is routed to this system may also be routed to the BRCP flares for combustion.
EQT681 M-64A	SECONDARY WASTEWATER EMISSIONS (MAINTRAIN WASTEWATERS TO WILA)	Wastewater routed to the WILA Steam Stripper (EIQ # V-148 in the BRCP Plant Infrastructure Permit). Noncondensable overhead from WILA stripper is routed to the BRCP Flare Gas Recovery System. Some wastewater may be exempted from control by including it on the BRCP facility-wide 2.0 Mg exempt list (Benzene Waste Operations NESHAP)
EQT682 M-64B	SECONDARY WASTEWATER EMISSIONS (MAINTRAIN WASTEWATERS TO SOUR WATER STRIPPER)	Wastewater routed to the SACC Sour Water Tower for stripping (EIQ# V-388 in this permit). Some wastewater may be exempted from control by including it on the BRCP facility-wide 2.0 Mg exempt list (Benzene Waste Operations NESHAP)
EQT683 M-64C	SECONDARY WASTEWATER EMISSIONS (MAINTRAIN WASTEWATERS TO AWT)	Wastewater routed directly to the BRCP Advanced Wastewater Treatment (AWT) Unit.
EQT684 M-64D	TANKFARM AREA RUNOFF TO EXXONMOBIL BRRF REFINERY WASTEWATER TREATMENT SYSTEM	Storage tanks T-411, T-412, T-416, T-771 and T-784 are located in the ExxonMobil BRRF tank farm. The stormwater runoff from this area around these tanks is routed to the BRRF wastewater treatment system. These tanks are operated by BRCP.
EQT685 M-64E	OLA-2 SPENT CAUSTIC WASTEWATER STREAMS TO SCOLA SYSTEM	Spent Caustic routed to the Spent Caustic Separator Drum (FD-10) (EIQ # V-452)

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EMISSION ID	DESCRIPTION	NOTES
GRP150 S-200	STEAM CRACKING FURNACES CAP	This Steam Cracking Furnace Cap was established to limit the combined heat input at 21,024,000 MBtu/yr for any consecutive twelve month period for the 10 steam cracking furnaces in Maintrain (OLA-2X and ECLA-W). The steam cracking furnaces included in this cap include: S-1 - OLA-2X Steam Cracking Furnace (AF-01) S-2 - OLA-2X Steam Cracking Furnace (BF-01) S-3 - OLA-2X Steam Cracking Furnace (CF-01) S-6 - OLA-2X Steam Cracking Furnace (FF-01) S-7 - OLA-2X Steam Cracking Furnace (GF-01) S-8 - OLA-2X Steam Cracking Furnace (HF-01) S-26 - ECLA-W / EPLA-W STEAM CRACKING FURNACE (MXF-01) S-84 - OLA-2X Steam Cracking Furnace (EF-01) S-105 - ECLA-W / EPLA-W STEAM CRACKING FURNACE (MCF-01) S-106 - ECLA-W / EPLA-W STEAM CRACKING FURNACE (MDF-01)
GRP151 S-210	MOX BOILERS CAP	This MOX Boilers Cap was established to limit the combined heat input at 8,410,000 MBtu/yr for any consecutive twelve month period for the 5 MOX Boilers in Maintrain. The MOX Boilers included in this cap include: S-33 - MOX Boiler MZB-01 S-34 - MOX Boiler MZB-02 S-35 - MOX Boiler MZB-03 S-36 - MOX Boiler MZB-04 S-74 - MOX Boiler MZB-05
EQT769 T-90	HEAVY NAPHTHA / STEAM CRACKED NAPHTHA / SPLITTER BOTTOMS STORAGE TANK	Vapors are routed to the Refinery Vapor Recovery Unit that goes to the Refinery Gas Compression Unit for use as fuel in site process heaters and boilers.
EQT718 T-282	HEAVY NAPHTHA / STEAM CRACKED NAPHTHA / SPLITTER BOTTOMS STORAGE TANK	Vapors are routed to the Refinery Vapor Recovery Unit that goes to the Refinery Gas Compression Unit for use as fuel in site process heaters and boilers.

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EQUIPMENT LIST		NOTES
EMISSION ID	DESCRIPTION	
EQ T726 T-411 NORMAL	NGLs/NAPHTHAS/RAFFINATE/KEROS ENES/REFORMER FEEDS AND PRODUCTS TANK (NORMAL SCENERIO)	Tank is operated with an internal floating roof. Vapors are routed to the Refinery Vapor Recovery Unit that goes to the Refinery Gas Compression Unit for use as fuel in site process heaters and boilers.
EQ T834 T-411 ALTERNATE	NGLs/NAPHTHAS/RAFFINATE/KEROS ENES/REFORMER FEEDS AND PRODUCTS TANK (ALTERNATE SCENERIO)	Tank is operated with an internal floating roof.
EQ T727 T-412 NORMAL	NGLs/NAPHTHAS/RAFFINATE/KEROS ENES/REFORMER FEEDS AND PRODUCTS TANK (NORMAL SCENERIO)	Tank is operated with an internal floating roof. Vapors are routed to the Refinery Vapor Recovery Unit that goes to the Refinery Gas Compression Unit for use as fuel in site process heaters and boilers.
EQ T835 T-412 ALTERNATE	NGLs/NAPHTHAS/RAFFINATE/KEROS ENES/REFORMER FEEDS AND PRODUCTS TANK (ALTERNATE SCENERIO)	Tank is operated with an internal floating roof.
EQ T728 T-416 NORMAL	NGLs/NAPHTHAS/RAFFINATE/KEROS ENES/REFORMER FEEDS AND PRODUCTS TANK (NORMAL SCENERIO)	Tank is operated with an internal floating roof. Vapors are routed to the Refinery Vapor Recovery Unit that goes to the Refinery Gas Compression Unit for use as fuel in site process heaters and boilers.
EQ T836 T-416 ALTERNATE	NGLs/NAPHTHAS/RAFFINATE/KEROS ENES/REFORMER FEEDS AND PRODUCTS TANK (ALTERNATE SCENERIO)	Tank is operated with an internal floating roof.
EQ T729 T-665	SULFIDIC CAUSTIC STORAGE TANK	Tank vent is routed to a carbon canister.

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EMISSION ID	DESCRIPTION	NOTES
EQT730 T-771 NORMAL	NGLs/NAPHTHAS/RAFFINATE/KEROS ENES/REFORMER FEEDS AND PRODUCTS TANK (NORMAL SCENERIO)	Tank is operated with an internal floating roof. Vapors are routed to the Refinery Vapor Recovery Unit that goes to the Refinery Gas Compression Unit for use as fuel in site process heaters and boilers.
EQT837 T-771 ALTERNATE	NGLs/NAPHTHAS/RAFFINATE/KEROS ENES/REFORMER FEEDS AND PRODUCTS TANK (ALTERNATE SCENERIO)	Tank is operated with an internal floating roof.
EQT764 T-1660	BUTANES STORAGE SPHERE	Vapors are routed to the BRCP Flare Gas Recovery System. This is a primary fuel supply for site process heaters and boilers. The vent stream that is routed to this system may also be routed to the BRCP flares for combustion.
EQT765 T-1916	ISOPRENE, BUTYLENE, BUTADIENE, DILA FEED, AMYLENE, AND BUTENES STORAGE SPHERE	Vapors are routed to the BRCP Flare Gas Recovery System. This is a primary fuel supply for site process heaters and boilers. The vent stream that is routed to this system may also be routed to the BRCP flares for combustion.
EQT766 T-3064	SOUR WATER STRIPPER FEED DRUM (KZD-73)	Vapors are routed to the BRCP Flare Gas Recovery System. This is a primary fuel supply for site process heaters and boilers. The vent stream that is routed to this system may also be routed to the BRCP flares for combustion.
EQT767 T-3070	SPENT CAUSTIC DRUM (MKD-06)	Vapors are routed to the BRCP Flare Gas Recovery System. This is a primary fuel supply for site process heaters and boilers. The vent stream that is routed to this system may also be routed to the BRCP flares for combustion.
EQT768 T-3085	WATER KNOCK-OUT DRUM (UPDR-107)	Vapors are routed to the BRCP Flare Gas Recovery System. This is a primary fuel supply for site process heaters and boilers. The vent stream that is routed to this system may also be routed to the BRCP flares for combustion.

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EMISSION ID	DESCRIPTION	NOTES
RLP117 V-07	DETOLUENIZER TOWER	Vapors are routed to the BRCP Flare Gas Recovery System. This is a primary fuel supply for site process heaters and boilers. The vent stream that is routed to this system may also be routed to the BRCP flares for combustion.
RLP118 V-239	DISTILLATION TOWERS T-1X, T-10X (DILA FRONT END)	Vapors are routed to the BRCP Flare Gas Recovery System. This is a primary fuel supply for site process heaters and boilers. The vent stream that is routed to this system may also be routed to the BRCP flares for combustion.
RLP119 V-341A	VENTS FROM VESSELS IN OLA-2X, EPLA-W, AND ECLA-W AREAS (NOT EMACT)	Vapors are routed to the BRCP Flare Gas Recovery System. This is a primary fuel supply for site process heaters and boilers. The vent stream that is routed to this system may also be routed to the BRCP flares for combustion.  OLA-2X VESSELS: KNC-01, KUD-01, KUD-02, KLD-03X, KLT-03, KND-51, KUD-52 ECLA-W VESSELS: MGD-10, MGD-07, MHD-01, MHD-07, MHD-04 EPLA-W VESSELS: MKD-01, MKD-02, MKD04, MSD-33, MSD-15, MST-04, MSD-23, MSD-24, MKD-23
RLP120 V-341B	VENTS FROM VESSELS IN OLA-2X, EPLA-W, AND ECLA-W AREAS (EMACT)	Vapors are routed to the BRCP Flare Gas Recovery System. This is a primary fuel supply for site process heaters and boilers. The vent stream that is routed to this system may also be routed to the BRCP flares for combustion.  OLA-2X VESSELS: KLD-04, KLT-03 ECLA-W VESSELS: MHD-05 EPLA-W VESSELS: MKD-06, MSD-16, MST-05, MZD-13, KMSD-907, MSCD-97
RLP121 V-342	MST-03 TOWER	Vent stream is recycled back to the process. Therefore, there are no emissions.
RLP122 V-376	OLA-2X (KZD-52) FLARE DRUM :	Vapors are routed to the BRCP Flare Gas Recovery System.

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<b>EMISSION ID</b>	<b>DESCRIPTION</b>	<b>NOTES</b>
RLP123 V-377	ECLA-W (MZD-12) FLARE DRUM	Vapors are routed to the BRCP Flare Gas Recovery System.
RLP124 V-379	OVERHEAD STREAM FROM MST-01 - DEMETHANIZER	Vent is routed to the Chemical Mixing Manifold (CMM) fuel system.
RLP125 V-380	OVERHEAD STREAM FROM MST-02 - DEETHANIZER	Vent stream is recycled to the process, or routed to the Chemical manifold mixing (CMM) system, or BRCP Flare Gas Recovery System. This is a primary fuel supply for site process heaters and boilers. The vent stream that is routed to this system may also be routed to the BRCP flares for combustion.
RLP126 V-381	OVERHEAD STREAM FROM MST-04 - DEPROPANIZER	Vapors are routed to the BRCP Flare Gas Recovery System. This is a primary fuel supply for site process heaters and boilers. The vent stream that is routed to this system may also be routed to the BRCP flares for combustion.
RLP127 V-388	SACC SOUR WATER STRIPPER	Vapors are returned to the process or routed to the BRCP Flare Gas Recovery System.
RLP128 V-396A	DISTILLATION TOWERS VENTS (MAINTRAIN)(NOT EMACT)	Vapors are routed to the BRCP Flare Gas Recovery System. This is a primary fuel supply for site process heaters and boilers. The vent stream that is routed to this system may also be routed to the BRCP flares for combustion.  OLA-2X VESSELS: KUT-01, KUT-01A ECLA-W VESSELS: MHT-01 EPLA-W VESSELS: MKT-01

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EMISSION ID	DESCRIPTION	NOTES
RLP129 V-396B	DISTILLATION TOWERS VENTS (MAINTRAIN)(EMACT)	Vapors are routed to the BRCP Flare Gas Recovery System. This is a primary fuel supply for site process heaters and boilers. The vent stream that is routed to this system may also be routed to the BRCP flares for combustion. <u>OLA-2X VESSELS: KJT-01, KLT-01</u>
RLP130 V-397	REACTORS IN EPLA-W AREA	All process streams from these reactors are routed to other processes, and ultimately converted to products.
RLP131 V-451	DILA FLARE DRUM	<u>EPLA-W REACTORS: MSR-01, MSR-02, MSR-03</u> Vapors are routed to the BRCP Flare Gas Recovery System. This is a primary fuel supply for site process heaters and boilers. The vent stream that is routed to this system may also be routed to the BRCP flares for combustion.
RLP132 V-452	SPENT CAUSTIC SEPARATOR DRUM (D-01)	Vapors are routed to the BRCP Flare Gas Recovery System. This is a primary fuel supply for site process heaters and boilers. The vent stream that is routed to this system may also be routed to the BRCP flares for combustion.
RLP133 V-454	SCOLA OXIDIZER TOWER (T-02) AND SEPARATOR DRUM (D-02)	This vent is routed to the SCOLA Thermal Oxidizer (EIQ# S-86)
RLP134 V-455	DILA SOUR WATER DRUM (BDD-31)	Vapors are routed to the BRCP Flare Gas Recovery System. This is a primary fuel supply for site process heaters and boilers. The vent stream that is routed to this system may also be routed to the BRCP flares for combustion.

**AIR PERMIT BRIEFING SHEET  
AIR PERMITS DIVISION  
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**Maintrain Ethylene Production Facilities  
Agency Interest No. 286  
Baton Rouge Chemical Plant  
ExxonMobil Chemical Company  
Baton Rouge, East Baton Rouge Parish, Louisiana**

<b>EQUIPMENT LIST</b>		<b>NOTES</b>
<b>EMISSION ID</b>	<b>DESCRIPTION</b>	
RLP135 V-544	HYDROGENATION SYSTEM FLASH DRUM(T-100)	Vapors are routed to the BRCP Flare Gas Recovery System. This is a primary fuel supply for site process heaters and boilers. The vent stream that is routed to this system may also be routed to the BRCP flares for combustion.
RLP136 V-545	HYDROGENATION REACTOR	There is no vent from this source.
RLP137 V-546	HYDROGENATION PRODUCT FRACTIONATION TOWER(T-200)	Vapors are routed to the BRCP Flare Gas Recovery System. This is a primary fuel supply for site process heaters and boilers. The vent stream that is routed to this system may also be routed to the BRCP flares for combustion.
RLP1226 V-547	SPONGE TOWER (KUT-52X)	Vapors are routed to the process or to the BRCP Flare Gas Recovery System. This is a primary fuel supply for site process heaters and boilers. The vent stream that is routed to this system may also be routed to the BRCP flares for combustion.

**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY  
APPENDIX A: PART 70 SPECIFIC CONDITIONS**

**Maintrain Ethylene Production Facilities  
Agency Interest No. 286  
Baton Rouge Chemical Plant  
ExxonMobil Chemical Company  
Baton Rouge, East Baton Rouge Parish, Louisiana**

1. Permittee shall comply with a streamlined equipment leaks monitoring program. Compliance with the streamlined program in accordance with this specific condition shall serve to comply with each of the fugitive emission monitoring programs being streamlined, as indicated in the following table. Noncompliance with the streamlined program in accordance with this specific condition may subject the permittee to enforcement action for one or more of the applicable fugitive emissions programs.
- a. Permittee shall apply the streamlined program to the combined universe of components subject to any of the programs being streamlined. Any component type which does not require periodic monitoring under the overall most stringent program shall be monitored as required by the most stringent requirements of any other program being streamlined and will not be exempted. The streamlined program will include any exemptions based on size of component available in any of the programs being streamlined.
  - b. Permittee shall use leak definitions and monitoring frequency based on the overall most stringent program. Percent leaker performance shall be calculated using the provisions of the overall most stringent program. Annual monitoring shall be defined as once every four quarters.
  - c. Permittee shall comply with recordkeeping and reporting requirements of the overall most stringent program. Semiannual reports shall be submitted on August 15 and February 15, to cover the periods January 1 through June 30, and July 1, through December 31, respectively. The semiannual reports shall include any monitoring performed within the reporting period.

Unit or Plant Site	Program Being Streamlined	Stream Applicability	Overall Most Stringent Program
FUG0046 U-110 Maintrain Fugitives	40 CFR 63 Subpart UU as referenced by 40 CFR 63 Subpart YY LA non-HON MACT LAC 33:III.2122 40 CFR 61 Subpart V & J 40 CFR 60 Subpart VV	5% HAP  5% VOTAP 10% VOC 10% Benzene 10% VOC	40 CFR 63 Subpart UU as referenced by 40 CFR 63 Subpart YY
FUG0047 U-46G DILA Fugitives for C <sub>4</sub> /C <sub>5</sub> Loading	40 CFR 63 Subpart H 40 CFR 63 Subpart UU as referenced by 40 CFR 63 Subpart YY LA Non-HON MACT LAC 33:III.2122 NESHAP Sub J & V NSPS Subpart VV RCRA Sub BB & CC	5% VOHAP 5% HAP  5% VOTAP 10% VOC 10% Benzene 10%10% VOHAP VOC	40 CFR 63 Subpart H

**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY  
APPENDIX A: PART 70 SPECIFIC CONDITIONS**

**Maintrain Ethylene Production Facilities  
Agency Interest No. 286  
Baton Rouge Chemical Plant  
ExxonMobil Chemical Company  
Baton Rouge, East Baton Rouge Parish, Louisiana**

Unit or Plant Site	Program Being Streamlined	Stream Applicability	Overall Most Stringent Program
FUG0048 U-47J ACLA Rack Fugitives for C <sub>4</sub> /C <sub>5</sub> Loading	40 CFR 63 Subpart H 40 CFR 63 Subpart YY referencing 40 CFR 63 Subpart UU LA Non-HON MACT LAC 33:III.2122 NESHAP Sub J & V NSPS Subpart VV RCRA Sub BB & CC	5% VOHAP 5% HAP  5% VOTAP 10% VOC 10% Benzene 10% VOC 10% VOHAP	40 CFR 63 Subpart H

2. Permittee shall comply with the Maintrain startup and shutdown annual tons per year and daily pounds per day limits identified in this specific condition in the table below. Total emissions are limited on a five-year rolling average, and are calculated using the formulae provided.

Permittee shall report the calculated SU/SD Maintrain emissions by March 31 for the proceeding year(s). Permittee shall maintain record of these emissions on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Annual emissions (based on 5-year rolling average) and daily rates greater than the limits listed in this permit shall be violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division.

To the extent practicable, permittee shall schedule turnarounds and maintenance shut downs for periods outside of ozone season (May 1 through September 30).

Pollutants	Maximum Daily Rate, (Lbs/day)	5-yr Rolling Average, (TPY)
VOC	24,000	15.0
CO	49,400	33.2
PM <sub>10</sub>	2,700	1.8
NO <sub>x</sub>	9,100	6.1
SO <sub>2</sub>	17,800	11.0
Benzene	1,950	1.2
1,3-Butadiene	1,350	0.84
Ethyl Benzene	220	0.14
Phenol	2	0.01
Naphthalene	460	0.29
Styrene	1,350	0.84
Xylenes	750	0.47

**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY  
APPENDIX A: PART 70 SPECIFIC CONDITIONS**

**Maintrain Ethylene Production Facilities  
Agency Interest No. 286  
Baton Rouge Chemical Plant  
ExxonMobil Chemical Company  
Baton Rouge, East Baton Rouge Parish, Louisiana**

The five-year rolling average shall be calculated using the following equations:

If:  $i - y \geq 5$ , Use EQ1

If:  $i - y < 5$ , Use EQ2

Where:  $i$  = Most Recent Calendar Year

$y$  = Year the SU/SD Specific Condition was added

$$\text{EQ1: 5 YR AVG} = \sum_{i=y}^i \frac{X_i}{5}$$

$$\text{EQ2: 5 YR AVG} = \sum_y^i \frac{X_i}{5}$$

Where:  $X_i$  = Annual Emissions in year  $i$  (TPY)

3. Nothing contained in Specific Condition 2 shall be construed to exempt the reporting of emissions from upsets or malfunctions in accordance with LAC 33:II.507.J or LA:33:I.Chapter 39. Emissions as described in Specific Condition 2 are authorized to the extent that they result from:
  - 1) A normal shutdown or startup;
  - 2) Activities associated with an unscheduled shutdown where pre-planned adjustments to reduce or minimize emissions are used, or
  - 3) Online operating adjustments in lieu of a unit shutdown
  
4. Permittee shall calculate the actual emissions in tons per year that occurred from installation of additional furnace tubes for 10 years post-startup as required by New Source Review (NSR) reform. These records shall be available for inspection by the LDEQ Surveillance Division. Should emissions from the S-08; SACC H OLA-2X furnace, that resulted from this project, exceed 20.74 tons per year of  $\text{NO}_x$  or 1.84 tons per year of VOC, it shall be considered a violation of this permit and shall be reported to LDEQ per the provisions of General Condition R.

**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY  
STATE ONLY SPECIFIC CONDITIONS**

**Maintrain Ethylene Production Facilities  
Agency Interest No. 286  
Baton Rouge Chemical Plant  
ExxonMobil Chemical Company  
Baton Rouge, East Baton Rouge Parish, Louisiana**

1. The number of each type of component required to be monitored for each monitoring period under applicable leak detection and repair programs shall be reported to the Department by inclusion with each periodic monitoring report. Fugitive emission piping components may be added to or removed from the permitted units, without triggering the need to apply for a permit modification, provided:
  - a. Changes in components involve routine maintenance or are undertaken to address safety concerns, or involve small piping revisions with no associated emissions increases except from the fugitive emissions components themselves;
  - b. The changes do not involve any associated increase in production rate or capacity, or tie in of new or modified process equipment other than the piping components;
  - c. Actual emissions following the changes will not exceed the emission limits contained in this permit; and
  - d. The components are promptly incorporated into any applicable leak detection and repair program.
  
2. The following parameters shall be monitored and recorded to ensure proper operation of the SCOLA Thermal Oxidizer System (Emission Point No. S-86, TRT001):
  - a. While the SCOLA offgas is being introduced into the SCOLA thermal oxidizer, the firebox temperature of the thermal oxidizer shall be maintained above 1440°F (3-hour average). This will facilitate proper conversion of the hydrocarbon disulfides to SO<sub>2</sub>. The temperature shall be continuously monitored and recorded (at least 4 equally spaced readings during an hour). The temperature readings shall be documented and kept onsite.
  - b. While the SCOLA offgas is being introduced into the SCOLA thermal oxidizer, the pH of the caustic scrubber effluent shall be maintained above 7.5. This will facilitate proper operation of the caustic scrubber to control the SO<sub>2</sub> from the thermal oxidizer exhaust. The pH shall be determined and recorded every 4 hours.

A report documenting any temperature and/or pH readings less than the minimums denoted above shall be submitted to the Office of Environmental Compliance by March 31 for the preceding calendar year.

**INVENTORIES**

**AI ID: 286 - ExxonMobil Baton Rouge Chemical Plant**  
**Activity Number: PER20090019**  
**Permit Number: 2031-V8**  
**Air - Title V Regular Permit Major Mod**

**Subject Item Inventory:**

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
<b>MAINTRAIN ETHYLENE PRODUCTION</b>						
EQT 0676	C-01 - GFLA-1 COOLING TOWER		56250 gallons/min			8760 hr/yr
EQT 0677	C-02B - GFLA-3 COOLING TOWER (MAINTRAIN ETHYLENE PRODUCTION FACILITIES)		24100 gallons/min			8760 hr/yr
EQT 0678	C-03A - GFLA-9 COOLING TOWER (MAINTRAIN ETHYLENE PRODUCTION FACILITIES)		2679 gallons/min			8760 hr/yr
EQT 0679	C-05 - EPLA-W COOLING TOWER		112500-gallons/min			8760 hr/yr
EQT 0681	M-64A - SECONDARY WASTEWATER EMISSIONS (MAINTRAIN WASTEWATERS TO WILA)					8760 hr/yr
EQT 0682	M-64B - SECONDARY WASTEWATER EMISSIONS (MAINTRAIN WASTEWATERS TO SOUR WATER STRIPPER)					8760 hr/yr
EQT 0683	M-64C - SECONDARY WASTEWATER EMISSIONS (MAINTRAIN WASTEWATERS TO AWT)					8760 hr/yr
EQT 0684	M-64D - TANKFARM AREA RUNOFF TO EXXONMOBIL BRRF REFINERY WASTEWATER TREATMENT SYSTEM					8760 hr/yr
EQT 0685	M-64E - OLA-2X SPENT CAUSTIC WASTEWATER STREAMS TO SCOLA SYSTEM					8760 hr/yr
EQT 0686	S-01 - OLA-2X STEAM CRACKING FURNACE AF-01		382 MM BTU/hr			8760 hr/yr
EQT 0687	S-02 - OLA-2X STEAM CRACKING FURNACE BF-01		365 MM BTU/hr			8760 hr/yr
EQT 0688	S-03 - OLA-2X STEAM CRACKING FURNACE CF-01		365 MM BTU/hr			8760 hr/yr
EQT 0689	S-06 - OLA-2X STEAM CRACKING FURNACE FF-01		345 MM BTU/hr			8760 hr/yr
EQT 0690	S-07 - OLA-2X STEAM CRACKING FURNACE GF-01		345 MM BTU/hr			8760 hr/yr
EQT 0691	S-08 - OLA-2X STEAM CRACKING FURNACE HF-01		345 MM BTU/hr			8760 hr/yr
EQT 0692	S-09 - GAS TURBINE NG-01		391 MM BTU/hr			8760 hr/yr
EQT 0693	S-102 - OLA-2X FF,GF, AND HF FURNACE DECKING DRUM VENT					8760 hr/yr
EQT 0694	S-105 - ECLA-W/EPLA-W STEAM CRACKING FURNACE MCF-01		345 MM BTU/hr			8760 hr/yr
EQT 0695	S-106 - ECLA-W/EPLA-W STEAM CRACKING FURNACE MDF-01		345 MM BTU/hr			8760 hr/yr
EQT 0696	S-109 - NACC PORTABLE AIR COMPRESSOR		482 horsepower			2000 hr/yr
EQT 0697	S-21 - REGENERATION HEATERS MKF-01/MSF-01		45 MM BTU/hr			8760 hr/yr
EQT 0698	S-26 - ECLA-W/EPLA-W STEAM CRACKING FURNACE MXF-01		163 MM BTU/hr			8760 hr/yr
EQT 0699	S-33 - MOX BOILER MZB-01		308 MM BTU/hr			8760 hr/yr
EQT 0700	S-34 - MOX BOILER MZB-02		308 MM BTU/hr			8760 hr/yr
EQT 0701	S-35 - MOX BOILER MZB-03		308 MM BTU/hr			8760 hr/yr
EQT 0702	S-36 - MOX BOILER MZB-04		308 MM BTU/hr			8760 hr/yr
EQT 0703	S-74 - MOX BOILER MZB-05		308 MM BTU/hr			8760 hr/yr
EQT 0704	S-84 - OLA-2X STEAM CRACKING FURNACE EF-01		385 MM BTU/hr			8760 hr/yr
EQT 0705	S-87 - OLA-2X AF/BF/CF FURNACE DECKING DRUM VENT					8760 hr/yr

**INVENTORIES**

**AI ID: 286 - ExxonMobil Baton Rouge Chemical Plant**  
**Activity Number: PER20090019**  
**Permit Number: 2031-V8**  
**Air - Title V Regular Permit Major Mod**

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
<b>MAINTRAIN ETHYLENE PRODUCTION</b>						
EQT 0706	S-89 - ECLA-W DECKING DRUM VENT					8760 hr/yr
EQT 0707	S-90 - OLA-2X EF FURNACE DECOKE DRUM VENT					8760 hr/yr
EQT 0708	T-1655 - QUENCH OIL STORAGE TANK	127000 gallons				8760 hr/yr
EQT 0709	T-1658 - STEAM CRACKED LIQUID STORAGE TANK	32881 bbl				8760 hr/yr
EQT 0710	T-1659 - STEAM CRACKED LIQUID STORAGE TANK	32881 bbl				8760 hr/yr
EQT 0711	T-1664 - STEAM CRACKED LIQUID STORAGE TANK	81190 bbl				8760 hr/yr
EQT 0712	T-1677 - QUENCH OIL STORAGE TANK	127000 gallons				8760 hr/yr
EQT 0713	T-1733 - STEAM CRACKED LIQUID STORAGE TANK	81190 bbl				8760 hr/yr
EQT 0714	T-1734 - HYDROTREATER FEED TANK	67143 bbl				8760 hr/yr
EQT 0715	T-1737 - SULFIDIC CAUSTIC STORAGE TANK	846000 gallons				8760 hr/yr
EQT 0716	T-1968X - METHANOL STORAGE TANK	4700 gallons				8760 hr/yr
EQT 0717	T-236 - WHEEL WASH LIQUID STORAGE DRUM (HD-14)	375 gallons				8760 hr/yr
EQT 0718	T-282 - HEAVY NAPHTHA / STEAM CRACKED NAPHTHA / SPLITTER BOTTOMS STORAGE TANK	42024 bbl				8760 hr/yr
EQT 0719	T-302 - WATER DISENGAGING DRUM (BDD-302)	141 gallons				8760 hr/yr
EQT 0720	T-3065 - ANTIFOAM STORAGE DRUM	2000 gallons				8760 hr/yr
EQT 0721	T-3067 - JD-06 WATER DRAW OFF DRUM	950 gallons				8760 hr/yr
EQT 0722	T-3068 - LD-06 WATER DRAW OFF DRUM	2500 gallons				8760 hr/yr
EQT 0723	T-3069 - KD-10 CAUSTIC WATER DRUM (MKD-10)	53 gallons				8760 hr/yr
EQT 0724	T-3092 - MAINTRAIN COMPRESSOR WHEEL WASH DRUM	1250 gallons				8760 hr/yr
EQT 0725	T-322 - NEUTRALIZING AMINE STORAGE TANK	9950 gallons				8760 hr/yr
EQT 0726	T-411, N - NGLs / NAPHTHAS / RAFFINATE / KEROSENES / REFORMER FEEDS AND PRODUCTS TANK	92857 bbl				8760 hr/yr
EQT 0727	T-412, N - NGLs / NAPHTHAS / RAFFINATE / KEROSENES / REFORMER FEEDS AND PRODUCTS TANK	92857 bbl				8760 hr/yr
EQT 0728	T-416, N - NGLs / NAPHTHA / RAFFINATE / KEROSENE / REFORMER FEED & PRODUCTS / XYLENES TANK	114286 bbl				8760 hr/yr
EQT 0729	T-665 - SULFIDIC CAUSTIC STORAGE TANK	32905 bbl				8760 hr/yr
EQT 0730	T-771, N - NGLs / NAPHTHAS / RAFFINATE / KEROSENES / REFORMER FEEDS AND PRODUCTS TANK	55500 bbl				8760 hr/yr
EQT 0731	T-784 - STEAM CRACKED NAPHTHA TANK (EFR)	88738 bbl				8760 hr/yr
EQT 0764	T-1660 - BUTANES STORAGE SPHERE	105700 gallons				8760 hr/yr
EQT 0765	T-1916 - ISOPRENE, BUTYLENE, BUTADIENE D1LA FEED, AMYLENE, AND BUTENES STORAGE SPHERE	251000 gallons				8760 hr/yr
EQT 0766	T-3084 - SOUR WATER STRIPPER FEED DRUM(KZD-73)	29800 gallons				8760 hr/yr
EQT 0767	T-3070 - SPENT CAUSTIC DRUM (MKD-06)	1175 gallons				8760 hr/yr
EQT 0768	T-3085 - WATER KNOCK-OUT DRUM (UPDR-107)	5830 gallons				8760 hr/yr
EQT 0769	T-90 - T-90 HEAVY NAPHTHA/STEAM CRACKED NAPHTHA/SPLITTER BOTTOMS STORAGE TANK	33784 bbl				8760 hr/yr
EQT 0834	T-411, A - NGLs / NAPHTHAS / RAFFINATE / KEROSENES	92857 bbl				8760 hr/yr

**INVENTORIES**

**AI ID: 286 - ExxonMobil Baton Rouge Chemical Plant**  
**Activity Number: PER20090019**  
**Permit Number: 2031-V8**  
**Air - Title V Regular Permit Major Mod**

**Subject Item Inventory:**

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
<b>MAINTRAIN ETHYLENE PRODUCTION</b>						
/ REFORMER FEEDS AND PRODUCTS TANK						
EQT 0835	T-412 - A - NGLs / NAPHTHAS / RAFFINATE / KEROSENES / REFORMER FEEDS AND PRODUCTS TANK	92857 bbl				8760 hr/yr
EQT 0836	T-416 - NGLs / NAPHTHAS / RAFFINATE / KEROSENES / REFORMER FEEDS AND PRODUCTS TANK	114286 bbl				8760 hr/yr
EQT 0837	T-771 - A - NGLs / NAPHTHAS / RAFFINATE / KEROSENES / REFORMER FEEDS AND PRODUCTS TANK	55500 bbl				8760 hr/yr
EQT 0838	M-011 - C4/C5 LOADING (ACLA AND DILA RACKS)					8760 hr/yr
EQT 0995	S-121 - NACC PORTABLE AIR COMPRESSOR NO. 2		415 horsepower	2.91 MM BTU/hr		2000 hr/yr
EQT 0996	S-122 - NACC PORTABLE AIR COMPRESSOR NO. 3		415 horsepower	2.91 MM BTU/hr		2000 hr/yr
FUG 0046	U-110 - MAINTRAIN FUGITIVE EMISSIONS					8760 hr/yr
FUG 0047	U-46G - DILA RACK FUGITIVES FOR C4/C5 LOADING					8760 hr/yr
FUG 0048	U-47J - ACLA RACK FUGITIVES FOR C4/C5 LOADING					8760 hr/yr
RLP 0110	M-79 - MAINTRAIN DESICCANT/CATALYST LOADING					8760 hr/yr
RLP 0111	V-398 - CONDENSATE DEAERATOR AND VENT DRUMS					8760 hr/yr
RLP 0112	V-97 - EPLA-W ACETYLENE CONVERTER/PROPYLENE HYDROFINER (SD-35) VENT					8760 hr/yr
RLP 0117	V-07 - DETOLUENIZER TOWER					8760 hr/yr
RLP 0118	V-239 - V- DISTILLATION TOWERS T-1X, T-10X(DILA FRONT END)					8760 hr/yr
RLP 0119	V-341A - VENTS FROM VESSELS IN OLA-2X, EPLA-W, AND ECLA-W AREAS (NOT EMACT)					8760 hr/yr
RLP 0120	V-341B - VENTS FROM VESSELS IN OLA-2X, EPLA-W, AND ECLA-W ARE					8760 hr/yr
RLP 0121	V-342 - MST-03 TOWER					8760 hr/yr
RLP 0122	V-376 - OLA-2X (KZD-52) FLARE DRUM					8760 hr/yr
RLP 0123	V-377 - ECLA-W (MZD-12) FLARE DRUM					8760 hr/yr
RLP 0124	V-379 - OVERHEAD STREAM FROM MST-01 - DEMETHANIZER					8760 hr/yr
RLP 0125	V-380 - OVERHEAD STREAM FROM MST-02 - DEETHANIZER					8760 hr/yr
RLP 0126	V-381 - OVERHEAD STREAM FROM MST-04 - DEPROPANIZER					8760 hr/yr
RLP 0127	V-388 - SACC SOUR WATER STRIPPER					8760 hr/yr
RLP 0128	V-396A - DISTILLATION TOWERS VENTS (MAINTRAIN) (NOT EMACT)					8760 hr/yr
RLP 0129	V-396B - DISTILLATION TOWERS VENTS (MAINTRAIN)(EMACT)					8760 hr/yr
RLP 0130	V-397 - REACTORS IN EPLA-W AREA					8760 hr/yr
RLP 0131	V-451 - DILA FLARE DRUM					8760 hr/yr
RLP 0132	V-452 - SPENT CAUSTIC SEPARATOR DRUM (FD-10)					8760 hr/yr

**INVENTORIES**

AI ID: 286 - ExxonMobil Baton Rouge Chemical Plant  
 Activity Number: PER20090019  
 Permit Number: 2031-V8  
 Air - Title V Regular Permit Major Mod

**Subject Item Inventory:**

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
<b>MAINTRAIN ETHYLENE PRODUCTION</b>						
RLP 0133	V-454 - SCOLA OXIDIZER TOWER (FR-20) AND SEPARATOR DRUM (FD-50)					8760 hr/yr
RLP 0134	V-455 - DILA SOUR WATER DRUM (BDD-31)					8760 hr/yr
RLP 0135	V-544 - HYDROGENATION SYSTEM FLASH DRUM (T-100)					8760 hr/yr
RLP 0136	V-545 - HYDROGENATION REACTOR					8760 hr/yr
RLP 0137	V-546 - HYDROGENATION PRODUCT FRACTIONATION TOWER (T-200)					8760 hr/yr
RLP 1226	V-547 - SPONGE TOWER (KUT-52X)					8760 hr/yr
TRT 0001	S-86 - SCOLA THERMAL OXIDIZER		7.5 MM BTU/hr			8760 hr/yr

**Stack Information:**

ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)
<b>MAINTRAIN ETHYLENE PRODUCTION</b>							
EQT 0676	C-01 - GFLA-1 COOLING TOWER	29		59		72	
EQT 0677	C-02B - GFLA-3 COOLING TOWER (MAINTRAIN ETHYLENE PRODUCTION FACILITIES)	33		68		47	
EQT 0678	C-03A - GFLA-9 COOLING TOWER (MAINTRAIN ETHYLENE PRODUCTION FACILITIES)	24		46		44	
EQT 0679	C-05 - EPLA-W COOLING TOWER	46.1		69		71	
EQT 0686	S-01 - OLA-2X STEAM CRACKING FURNACE AF-01	51	191681	8.96		287	484
EQT 0687	S-02 - OLA-2X STEAM CRACKING FURNACE BF-01	73	208291	7.8		235	745
EQT 0688	S-03 - OLA-2X STEAM CRACKING FURNACE CF-01	73	207427	7.8		235	740
EQT 0689	S-06 - OLA-2X STEAM CRACKING FURNACE FF-01	54	153815	7.8		254	464
EQT 0690	S-07 - OLA-2X STEAM CRACKING FURNACE GF-01	66	163210	7.8		254	508
EQT 0691	S-08 - OLA-2X STEAM CRACKING FURNACE HF-01	63	181309	7.8		254	617
EQT 0692	S-09 - GAS TURBINE NG-01	89	421000	10		75	470
EQT 0693	S-102 - OLA-2X FF.GF. AND HF FURNACE DECOCKING DRUM VENT	197	80866	3		122	600
EQT 0694	S-105 - ECLA-W/EPLA-W STEAM CRACKING FURNACE MCF-01	30	78915	7.5		131.5	286
EQT 0695	S-106 - ECLA-W/EPLA-W STEAM CRACKING FURNACE MDF-01	30	78915	7.5		131.5	286
EQT 0696	S-109 - NACC PORTABLE AIR COMPRESSOR	184	542	.25		7.7	600
EQT 0697	S-21 - REGENERATION HEATERS MKF-01/MSF-01	10.5	17615	5.96		84	580
EQT 0698	S-26 - ECLA-W/EPLA-W STEAM CRACKING FURNACE MXF-01	21	58298	7.67		127.5	280
EQT 0699	S-33 - MOX BOILER MZB-01	61	96038	5.8		132	490
EQT 0700	S-34 - MOX BOILER MZB-02	54	85019	5.8		132	381
EQT 0701	S-35 - MOX BOILER MZB-03	51	79576	5.8		132	327

**INVENTORIES**

**AI ID: 286 - ExxonMobil Baton Rouge Chemical Plant**  
**Activity Number: PER20090019**  
**Permit Number: 2031-V8**  
**Air - Title V Regular Permit Major Mod**

**Stack Information:**

ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)
<b>MAINTRAIN ETHYLENE PRODUCTION</b>							
EQT 0702	S-36 - MOX BOILER MZB-04	52	81226	5.8		132	344
EQT 0703	S-74 - MOX BOILER MZB-05	48	77044	5.8		132	302
EQT 0704	S-84 - OLA-2X STEAM CRACKING FURNACE EF-01	43	152824	8.7		185	340
EQT 0705	S-87 - OLA-2X AF/BFCF FURNACE DECKING DRUM VENT	340	64000	2		72	500
EQT 0706	S-89 - ECLA-W DECKING DRUM VENT	287	9300	.83		94.4	325
EQT 0707	S-90 - OLA-2X EF FURNACE DECOKE DRUM VENT	369	65000	1.94		64.5	500
EQT 0708	T-1855 - QUENCH OIL STORAGE TANK			30		24	
EQT 0709	T-1858 - STEAM CRACKED LIQUID STORAGE TANK			70		48	
EQT 0710	T-1859 - STEAM CRACKED LIQUID STORAGE TANK			70		48	
EQT 0711	T-1864 - STEAM CRACKED LIQUID STORAGE TANK			110		48	
EQT 0712	T-1677 - QUENCH OIL STORAGE TANK			30		24	
EQT 0713	T-1733 - STEAM CRACKED LIQUID STORAGE TANK			100		48	
EQT 0714	T-1734 - HYDROTREATER FEED TANK			100		48	
EQT 0715	T-1737 - SULFIDIC CAUSTIC STORAGE TANK			60		40	
EQT 0716	T-1968X - METHANOL STORAGE TANK					8	
EQT 0717	T-236 - WHEEL WASH LIQUID STORAGE DRUM (HD-14)	8.54	.16	4		4	77
EQT 0718	T-282 - HEAVY NAPHTHA / STEAM CRACKED NAPHTHA / SPLITTER BOTTOMS STORAGE TANK			93		35	
EQT 0719	T-302 - WATER DISENGAGING DRUM (BDD-302)					70	
EQT 0720	T-3065 - ANTIFOAM STORAGE DRUM			5.4		11.8	
EQT 0721	T-3067 - JD-06 WATER DRAW OFF DRUM	.43	2.2	.33		120	100
EQT 0722	T-3068 - LD-06 WATER DRAW OFF DRUM	3.24	9.54	.25		10	100
EQT 0723	T-3069 - KD-10 CAUSTIC WATER DRUM (MKD-10)	5.3	1.5	.01		260	70
EQT 0724	T-3092 - MAINTRAIN COMPRESSOR WHEEL WASH DRUM			4.21		12	
EQT 0725	T-322 - NEUTRALIZING AMINE STORAGE TANK		1	9		20	70
EQT 0726	T-411, N - NGLs / NAPHTHAS / RAFFINATE / KEROSENES / REFORMER FEEDS AND PRODUCTS TANK			110		55.5	
EQT 0727	T-412, N - NGLs / NAPHTHAS / RAFFINATE / KEROSENES / REFORMER FEEDS AND PRODUCTS TANK			110		55.5	
EQT 0728	T-416, N - NGLs / NAPHTHA / RAFFINATE / KEROSENE / REFORMER FEED & PRODUCTS / XYLENES TANK			120		57	
EQT 0729	T-665 - SULFIDIC CAUSTIC STORAGE TANK			70		48	
EQT 0730	T-771, N - NGLs / NAPHTHAS / RAFFINATE / KEROSENES / REFORMER FEEDS AND PRODUCTS TANK			115		30	
EQT 0731	T-784 - STEAM CRACKED NAPHTHA TANK (EFR)			115		48	

**INVENTORIES**

**AI ID: 286 - ExxonMobil Baton Rouge Chemical Plant**  
**Activity Number: PER20090019**  
**Permit Number: 2031-V8**  
**Air - Title V Regular Permit Major Mod**

**Stack Information:**

ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)
<b>MAINTRAIN ETHYLENE PRODUCTION</b>							
EQT 0834	T-411 - A - NGLs / NAPHTHAS / RAFFINATE / KEROSENES / REFORMER FEEDS AND PRODUCTS TANK			110		55.5	
EQT 0835	T-412 - A - NGLs / NAPHTHAS / RAFFINATE / KEROSENES / REFORMER FEEDS AND PRODUCTS TANK			110		55.5	
EQT 0836	T-416 - NGLs / NAPHTHAS / RAFFINATE / KEROSENES / REFORMER FEEDS AND PRODUCTS TANK			120		57	
EQT 0837	T-771 - A - NGLs / NAPHTHAS / RAFFINATE / KEROSENES / REFORMER FEEDS AND PRODUCTS TANK			115		30	
RLP 0112	V-97 - EPLA-W ACETYLENE CONVERTER/PROPYLENE HYDROFINER (SD-35) VENT	1.1	12.8	.5		30	90
TRT 0001	S-86 - SCOLA THERMAL OXIDIZER	45	4771	2		75	170

**Relationships:**

**Subject Item Groups:**

ID	Group Type	Group Description
GRP 0149	Equipment Group	M-64 - MAINTRAIN SECONDARY WASTEWATER EMISSIONS
GRP 0150	Equipment Group	S-200 - STEAM CRACKING FURNACES CAP
GRP 0151	Equipment Group	S-210 - MOX BOILERS CAP
GRP 0157	Equipment Group	T-411 - NGLs / NAPHTHAS / RAFFINATE / KEROSENES / REFORMER FEEDS AND PRODUCTS TANK
GRP 0158	Equipment Group	T-412 - NGLs / NAPHTHAS / RAFFINATE / KEROSENES / REFORMER FEEDS AND PRODUCTS TANK
GRP 0159	Equipment Group	T-416 - T-416 - NGLs / NAPHTHA / RAFFINATE / KEROSENE / REFORMER FEED & PRODUCTS / XYLENES TANK
GRP 0160	Equipment Group	T-771 - NGLs / NAPHTHAS / RAFFINATE / KEROSENES / REFORMER FEEDS AND PRODUCTS TANK
UNF 0008	Unit or Facility Wide	FACILITY WIDE - MAINTRAIN ETHYLENE PRODUCTION

**Group Membership:**

ID	Description	Member of Groups
EQT 0681	M-64A - SECONDARY WASTEWATER EMISSIONS (MAINTRAIN WASTEWATERS TO WILA)	GRP00000000149
EQT 0682	M-64B - SECONDARY WASTEWATER EMISSIONS (MAINTRAIN WASTEWATERS TO SOUR WATER STRIPPER)	GRP00000000149
EQT 0683	M-64C - SECONDARY WASTEWATER EMISSIONS (MAINTRAIN WASTEWATERS TO AWT)	GRP00000000149
EQT 0684	M-64D - TANKFARM AREA RUNOFF TO EXXONMOBIL BRRF REFINERY WASTEWATER TREATMENT SYSTEM	GRP00000000149
EQT 0685	M-64E - OLA-2X SPENT CAUSTIC WASTEWATER STREAMS TO SCOLA SYSTEM	GRP00000000149
EQT 0686	S-01 - OLA-2X STEAM CRACKING FURNACE AF-01	GRP00000000150
EQT 0687	S-02 - OLA-2X STEAM CRACKING FURNACE BF-01	GRP00000000150
EQT 0688	S-03 - OLA-2X STEAM CRACKING FURNACE CF-01	GRP00000000150
EQT 0689	S-06 - OLA-2X STEAM CRACKING FURNACE FF-01	GRP00000000150
EQT 0690	S-07 - OLA-2X STEAM CRACKING FURNACE GF-01	GRP00000000150

**INVENTORIES**

**AI ID: 286 - ExxonMobil Baton Rouge Chemical Plant**  
**Activity Number: PER20090019**  
**Permit Number: 2031-V8**  
**Air - Title V Regular Permit Major Mod**

**Group Membership:**

ID	Description	Member of Groups
EQT 0691	S-08 - OLA-2X STEAM CRACKING FURNACE HF-01	GRP00000000150
EQT 0694	S-105 - ECLA-W/EPLA-W STEAM CRACKING FURNACE MCF-01	GRP00000000150
EQT 0695	S-106 - ECLA-W/EPLA-W STEAM CRACKING FURNACE MDF-01	GRP00000000150
EQT 0698	S-26 - ECLA-W/EPLA-W STEAM CRACKING FURNACE MXF-01	GRP00000000150
EQT 0699	S-33 - MOX BOILER MZB-01	GRP00000000151
EQT 0700	S-34 - MOX BOILER MZB-02	GRP00000000151
EQT 0701	S-35 - MOX BOILER MZB-03	GRP00000000151
EQT 0702	S-36 - MOX BOILER MZB-04	GRP00000000151
EQT 0703	S-74 - MOX BOILER MZB-05	GRP00000000151
EQT 0704	S-84 - OLA-2X STEAM CRACKING FURNACE EF-01	GRP00000000150
EQT 0726	T-411, N - NGLS / NAPHTHAS / RAFFINATE / KEROSENES / REFORMER FEEDS AND PRODUCTS TANK	GRP00000000157
EQT 0727	T-412, N - NGLS / NAPHTHAS / RAFFINATE / KEROSENES / REFORMER FEEDS AND PRODUCTS TANK	GRP00000000158
EQT 0728	T-416, N - NGLS / NAPHTHA / RAFFINATE / KEROSENE / REFORMER FEED & PRODUCTS / XYLENES TANK	GRP00000000159
EQT 0730	T-771, N - NGLS / NAPHTHAS / RAFFINATE / KEROSENES / REFORMER FEEDS AND PRODUCTS TANK	GRP00000000160
EQT 0834	T-411, A - NGLS / NAPHTHAS / RAFFINATE / KEROSENES / REFORMER FEEDS AND PRODUCTS TANK	GRP00000000157
EQT 0835	T-412, A - NGLS / NAPHTHAS / RAFFINATE / KEROSENES / REFORMER FEEDS AND PRODUCTS TANK	GRP00000000158
EQT 0836	T-416 - NGLS / NAPHTHAS / RAFFINATE / KEROSENES / REFORMER FEEDS AND PRODUCTS TANK	GRP00000000159
EQT 0837	T-771, A - NGLS / NAPHTHAS / RAFFINATE / KEROSENES / REFORMER FEEDS AND PRODUCTS TANK	GRP00000000160

**NOTE: The UNF group relationship is not printed in this table. Every subject item is a member of the UNF group**

**Annual Maintenance Fee:**

Fee Number	Air Contaminant Source	Multiplier	Units Of Measure
0635	0635 Olefins and Aromatics N.E.C. (Rated Capacity)	2100	MM lbs/yr
0690	0690 Chemical and Chemical Prep. N.E.C. (Rated Capacity)	302	MM lbs/yr

**SIC Codes:**

2869	Industrial organic chemicals, nec	UNF 008
2899	Chemical preparations, nec	UNF 008

**EMISSION RATES FOR CRITERIA POLLUTANTS**

AI ID: 286 - ExxonMobil Baton Rouge Chemical Plant

Activity Number: PER20090019

Permit Number: 2031-V8

Air - Title V Regular Permit Major Mod

Subject Item	CO			NOx			PM10			SO2			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year												
<b>MAINTRAIN ETHYLENE PRODUCTION</b>															
EQT 0676 C-01															
EQT 0677 C-02B							1.83								8.76
EQT 0678 C-03A							3.14								3.91
EQT 0679 C-05							0.38								0.32
EQT 0686 S-01							3.66								15.16
EQT 0687 S-02		36.46			35.91			3.30					188.17		2.39
EQT 0688 S-03		34.84			35.04			3.15					179.79		2.28
EQT 0689 S-06		34.84			35.04			3.15					179.79		2.28
EQT 0690 S-07		32.93			32.43			2.98					169.94		2.16
EQT 0691 S-08		32.93			35.54			2.98					169.94		2.16
EQT 0692 S-09	26.39	350.00	115.60		89.20	355.19	2.58	2.58	11.30	0.06	0.06	0.28	0.82	0.82	3.60
EQT 0693 S-102	6.13	380.88	26.87				0.67	41.63	2.94	0.02	0.02	0.09			
EQT 0694 S-105		32.93			40.02			2.98					169.94		2.16
EQT 0695 S-106		32.93			40.02			2.98					169.94		2.16
EQT 0696 S-109	8.62	9.03	8.62	7.00	7.33	7.00	0.41	0.43	0.41	0.94	0.94	0.94	1.01	1.06	1.01
EQT 0697 S-21	2.96	4.30	8.93	3.52	5.11	10.63	0.27	0.39	0.81	0.01	0.01	0.02	0.19	0.28	0.58
EQT 0698 S-26		15.56			18.91			1.41					80.29		1.02
EQT 0699 S-33		46.20			46.20			2.66					151.72		1.93
EQT 0700 S-34		46.20			46.20			2.66					151.72		1.93
EQT 0701 S-35		46.20			46.20			2.66					151.72		1.93
EQT 0702 S-36		46.20			46.20			2.66					151.72		1.93
EQT 0703 S-74		46.20			46.20			2.66					151.72		1.93
EQT 0704 S-84		36.75			33.50			3.33					189.65		2.41

**EMISSION RATES FOR CRITERIA POLLUTANTS**

AI ID: 286 - ExxonMobil Baton Rouge Chemical Plant  
 Activity Number: PER20090019  
 Permit Number: 2031-V8  
 Air - Title V Regular Permit Major Mod

Subject Item	CO			NOx			PM10			SO2			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year												
<b>MAINTRAIN ETHYLENE PRODUCTION</b>															
EOT 0705 S-87	8.98	524.08	39.31				0.98	57.28	4.30	0.03	1.72	0.13			
EOT 0706 S-89	8.74	425.49	38.29				0.96	46.50	4.19	0.03	1.40	0.13			
EOT 0707 S-90	3.41	415.20	14.95				0.37	45.63	1.63	0.01	1.37	0.05			
EOT 0708 T-1655													0.03		0.11
EOT 0709 T-1658													1.20		5.39
EOT 0710 T-1659													1.20		5.39
EOT 0711 T-1664													2.70		11.83
EOT 0712 T-1677													0.03		0.11
EOT 0713 T-1733													2.40		10.71
EOT 0714 T-1734													0.12		0.51
EOT 0715 T-1737													0.01		0.06
EOT 0716 T-1968X													0.02		0.11
EOT 0717 T-236													<0.01		0.01
EOT 0718 T-282													8.26		0.99
EOT 0719 T-302													0.14		0.63
EOT 0720 T-3065													0.01		0.08
EOT 0721 T-3067													0.19		0.83
EOT 0722 T-3068													0.19		0.83
EOT 0723 T-3069													0.05		0.20
EOT 0724 T-3092													0.01		0.02
EOT 0725 T-322													0.10		0.44
EOT 0729 T-665													0.03		0.13
EOT 0731 T-784													1.50		6.70

TPOR0145

**EMISSION RATES FOR CRITERIA POLLUTANTS**

AI ID: 286 - ExxonMobil Baton Rouge Chemical Plant  
 Activity Number: PER20090019  
 Permit Number: 2031-V8  
 Air - Title V Regular Permit Major Mod

Subject Item	CO			NOx			PM10			SO2			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year												
<b>MAINTAIN ETHYLENE PRODUCTION</b>															
EQT 0995 S-121	2.19	2.19	2.19	3.20	3.20	3.20	0.18	0.18	0.18	<0.01	0.10	<0.01	0.12	0.12	0.12
EQT 0996 S-122	2.19	2.19	2.19	3.20	3.20	3.20	0.18	0.18	0.18	<0.01	0.10	<0.01	0.12	0.12	0.12
FUG 0046 U-110	0.02		0.10										9.10		40.03
FUG 0047 U-46G													0.02		0.10
FUG 0048 U-47J													0.02		0.07
GRP 0149 M-64													6.20		27.14
GRP 0150 S-200	229.09		1003.42	176.03		771.00	20.73		90.79	0.46		2.02	15.00		65.70
GRP 0151 S-210	75.80		332.02	90.43		396.08	8.29		36.32	0.18		0.79	6.00		26.28
GRP 0157 T-411													0.04		0.16
GRP 0158 T-412													0.04		0.16
GRP 0159 T-416													0.37		1.63
GRP 0160 T-771													0.52		2.27
RLP 0110 M-79							10.00	100.00	4.32				0.01	0.02	0.01
RLP 0111 V-398													4.08	4.80	17.87
RLP 0112 V-97	0.14	2.54	0.36										0.41	7.76	1.07
TRT 0001 S-86	0.02	0.80	0.07	1.25	2.66	5.48	0.05	0.10	0.20	1.60	8.00	7.00	0.01	0.10	0.03

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote.

**EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS**

AI ID: 286 - ExxonMobil Baton Rouge Chemical Plant

Activity Number: PER20090019

Permit Number: 2031-V8

Air - Title V Regular Permit Major Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0676 C-01	1,3-Butadiene	0.04		0.16
	Benzene	0.11		0.47
	Ethyl benzene	<0.01		0.02
	Hydrogen sulfide	<0.01		0.01
	Methanol	0.02		0.09
	Styrene	0.01		0.04
	Toluene	0.03		0.14
	Xylene (mixed isomers)	0.01		0.04
	n-Hexane	0.01		0.04
EQT 0677 C-02B	1,3-Butadiene	0.14		0.61
	Benzene	0.03		0.12
	Cumene	<0.01		<0.01
	Ethyl benzene	0.01		0.03
	Hydrogen sulfide	<0.01		<0.01
	Styrene	0.01		0.06
	Toluene	0.03		0.15
	Xylene (mixed isomers)	0.02		0.07
	n-Hexane	<0.01		0.01
EQT 0678 C-03A	Cresol	<0.01		<0.01
	Cumene	<0.01		<0.01
	Ethyl benzene	0.01		0.05
	Toluene	<0.01		0.01
	Xylene (mixed isomers)	0.01		0.05
EQT 0679 C-05	1,3-Butadiene	0.57		2.48
	Benzene	0.02		0.10
	Dimethyl formamide	0.17		0.74
	Hydrogen sulfide	<0.01		0.02
	Methanol	<0.01		<0.01
	Methyl ethyl ketone	<0.01		<0.01
	Toluene	<0.01		0.02
EQT 0699 S-33	1,3-Butadiene	0.01	0.10	0.03
EQT 0700 S-34	1,3-Butadiene	0.01	0.10	0.03
EQT 0708 T-1655	Benzene	<0.01		0.01

**EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS**

AI ID: 286 - ExxonMobil Baton Rouge Chemical Plant

Activity Number: PER20090019

Permit Number: 2031-V8

Air - Title V Regular Permit Major Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0708 T-1655	Biphenyl	<0.01		0.01
	Cresol	<0.01		0.01
	Cumene	<0.01		0.01
	Ethyl benzene	<0.01		0.01
	Hydrogen sulfide	<0.01		0.01
	Methyl ethyl ketone	<0.01		0.01
	Methyl isobutyl ketone	<0.01		0.01
	Naphthalene	<0.01		0.01
	Polynuclear Aromatic Hydrocarbons	<0.01		<0.01
	Styrene	<0.01		0.01
	Toluene	<0.01		0.01
	Xylene (mixed isomers)	<0.01		0.01
	n-Hexane	0.01		0.03
	EQT 0709 T-1658	Benzene	0.03	
Biphenyl		<0.01		0.01
Cresol		<0.01		0.01
Cumene		<0.01		0.01
Ethyl benzene		0.06		0.26
Hydrogen sulfide		<0.01		0.01
Methyl ethyl ketone		<0.01		0.01
Methyl isobutyl ketone		<0.01		0.01
Naphthalene		<0.01		0.01
Polynuclear Aromatic Hydrocarbons		<0.01		<0.01
Styrene		<0.01		0.01
Toluene		0.07		0.30
Xylene (mixed isomers)		0.12		0.51
n-Hexane		0.32		1.41
EQT 0710 T-1659	Benzene	0.03		0.14
	Biphenyl	<0.01		0.01
	Cresol	<0.01		0.01
	Cumene	<0.01		0.01
	Ethyl benzene	0.06		0.26
	Hydrogen sulfide	0.09		0.38

**EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS**

AI ID: 286 - ExxonMobil Baton Rouge Chemical Plant

Activity Number: PER20090019

Permit Number: 2031-V8

Air - Title V Regular Permit Major Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0710 T-1659	Methyl ethyl ketone	<0.01		0.01
	Methyl isobutyl ketone	<0.01		0.01
	Naphthalene	<0.01		0.01
	Polynuclear Aromatic Hydrocarbons	<0.01		<0.01
	Styrene	<0.01		0.01
	Toluene	0.07		0.30
	Xylene (mixed isomers)	0.12		0.51
	n-Hexane	0.32		1.41
EQT 0711 T-1664	Benzene	0.07		0.30
	Biphenyl	<0.01		0.01
	Cresol	<0.01		0.01
	Cumene	<0.01		0.02
	Ethyl benzene	0.13		0.57
	Hydrogen sulfide	0.80		3.50
	Methyl ethyl ketone	<0.01		0.01
	Methyl isobutyl ketone	<0.01		0.01
	Naphthalene	<0.01		0.01
	Polynuclear Aromatic Hydrocarbons	<0.01		<0.01
	Styrene	<0.01		0.01
	Toluene	0.15		0.66
	Xylene (mixed isomers)	0.25		1.12
	n-Hexane	0.70		3.09
EQT 0712 T-1677	Benzene	<0.01		0.01
	Biphenyl	<0.01		0.01
	Cresol	<0.01		0.01
	Cumene	<0.01		0.01
	Ethyl benzene	0.002		0.01
	Hydrogen sulfide	0.002		0.01
	Methyl ethyl ketone	<0.01		0.01
	Methyl isobutyl ketone	<0.01		0.01
	Naphthalene	<0.01		0.01
	Polynuclear Aromatic Hydrocarbons	<0.01		<0.01
	Styrene	<0.01		0.01

**EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS**

AI ID: 286 - ExxonMobil Baton Rouge Chemical Plant

Activity Number: PER20090019

Permit Number: 2031-V8

Air - Title V Regular Permit Major Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0712 T-1677	Toluene	<0.01		0.01
	Xylene (mixed isomers)	<0.01		0.01
	n-Hexane	0.01		0.03
EQT 0713 T-1733	Benzene	0.06		0.27
	Biphenyl	<0.01		0.01
	Cresol	<0.01		0.01
	Cumene	<0.01		0.02
	Ethyl benzene	0.12		0.51
	Hydrogen sulfide	0.77		3.36
	Methyl ethyl ketone	<0.01		0.01
	Methyl isobutyl ketone	<0.01		0.01
	Naphthalene	<0.01		0.01
	Polynuclear Aromatic Hydrocarbons	<0.01		<0.01
	Styrene	<0.01		0.01
	Toluene	0.14		0.59
	Xylene (mixed isomers)	0.23		1.01
	n-Hexane	0.64		2.80
	EQT 0714 T-1734	Benzene	<0.01	
Cresol		<0.01		0.01
Cumene		<0.01		0.01
Ethyl benzene		<0.01		0.03
Naphthalene		<0.01		0.01
Styrene		0.01		0.05
Toluene		0.03		0.15
Xylene (mixed isomers)		0.01		0.07
n-Hexane		<0.01		0.01
EQT 0715 T-1737	Benzene	<0.01		0.02
	Ethyl Acrylate	<0.01		0.01
	Hydrogen sulfide	<0.01		0.01
	Naphthalene	<0.01		0.01
	Styrene	<0.01		0.01
	Toluene	<0.01		0.01
	Xylene (mixed isomers)	<0.01		0.01

**EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS**

AI ID: 286 - ExxonMobil Baton Rouge Chemical Plant

Activity Number: PER20090019

Permit Number: 2031-V8

Air - Title V Regular Permit Major Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0716 T-1968x	Methanol	0.02		0.11
EQT 0717 T-236	Ethyl benzene	<0.01		0.01
	Xylene (mixed isomers)	<0.01		0.01
	n-butyl alcohol	<0.01		0.01
EQT 0718 T-282	Benzene	0.07		0.01
	Cresol	<0.01		0.01
	Cumene	0.06		0.01
	Ethyl benzene	1.20		0.15
	Naphthalene	0.02		0.01
	Styrene	<0.01		0.01
	Toluene	1.00		0.13
	Xylene (mixed isomers)	1.30		0.15
	n-Hexane	<0.01		0.01
EQT 0719 T-302	1,3-Butadiene	<0.01		0.01
	Acetonitrile	<0.01		0.01
EQT 0721 T-3067	Benzene	0.07		0.32
	Ethyl benzene	<0.01		0.01
	Naphthalene	<0.01		0.02
	Styrene	0.01		0.04
	Toluene	0.03		0.12
	Xylene (mixed isomers)	<0.01		0.02
EQT 0722 T-3068	Benzene	0.07		0.32
	Ethyl benzene	<0.01		0.01
	Naphthalene	<0.01		0.02
	Styrene	0.01		0.04
	Toluene	0.03		0.12
	Xylene (mixed isomers)	<0.01		0.02
EQT 0723 T-3069	1,3-Butadiene	<0.01		0.01
	Benzene	<0.01		0.01
	Hydrogen sulfide	<0.01		0.01
	Toluene	<0.01		0.01
EQT 0724 T-3092	Ethyl benzene	<0.01		0.01
	Xylene (mixed isomers)	<0.01		0.01

**EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS**

AI ID: 286 - ExxonMobil Baton Rouge Chemical Plant

Activity Number: PER20090019

Permit Number: 2031-V8

Air - Title V Regular Permit Major Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0724 T-3092	n-butyl alcohol	<0.01		0.01
EQT 0729 T-665	Benzene	<0.01		0.01
	Ethyl benzene	<0.01		0.01
	Hydrogen sulfide	<0.01		0.01
	Naphthalene	<0.01		0.01
	Styrene	<0.01		0.01
	Toluene	<0.01		0.01
	Xylene (mixed isomers)	<0.01		0.01
EQT 0731 T-784	Benzene	0.36		1.57
	Toluene	<0.01		0.01
	n-Hexane	0.16		0.71
FUG 0046 U-110	1,3-Butadiene	0.18		0.78
	Benzene	0.30		1.30
	Cresol	<0.01		0.01
	Cumene	0.02		0.10
	Ethyl benzene	0.06		0.28
	Hydrogen sulfide	<0.01		0.02
	Methanol	0.17		0.75
	Methyl Tertiary Butyl Ether	<0.01		0.01
	Methyl ethyl ketone	<0.01		0.02
	Phenol	0.02		0.10
	Styrene	0.22		0.95
	Toluene	0.45		1.97
	Xylene (mixed isomers)	0.18		0.80
	n-Hexane	0.03		0.15
FUG 0047 U-46G	1,3-Butadiene	<0.01		<0.01
	Benzene	<0.01		<0.01
	n-Hexane	<0.01		<0.01
FUG 0048 U-47J	1,3-Butadiene	<0.01		<0.01
	n-Hexane	<0.01		<0.01
GRP 0149 M-64	1,3-Butadiene	0.22		0.97
	Benzene	0.50		2.21
	Cresol	0.02		0.08

**EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS**

AI ID: 286 - ExxonMobil Baton Rouge Chemical Plant

Activity Number: PER20090019

Permit Number: 2031-V8

Air - Title V Regular Permit Major Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
GRP 0149 M-64	Cumene	<0.01		0.01
	Ethyl benzene	0.12		0.55
	Methanol	<0.01		0.01
	Phenol	0.01		0.04
	Styrene	0.08		0.36
	Toluene	0.27		1.19
	Xylene (mixed isomers)	0.11		0.48
	n-Hexane	0.06		0.27
GRP 0157 T-411	Benzene	<0.01		0.02
	Biphenyl	<0.01		0.01
	Cumene	<0.01		0.01
	Ethyl benzene	<0.01		0.01
	Hydrogen sulfide	<0.01		0.01
	Naphthalene	<0.01		0.01
	Polynuclear Aromatic Hydrocarbons	<0.01		<0.01
	Styrene	<0.01		0.01
	Toluene	<0.01		0.01
	Xylene (mixed isomers)	<0.01		0.01
	n-Hexane	<0.01		0.02
	GRP 0158 T-412	Benzene	<0.01	
Biphenyl		<0.01		0.01
Cumene		<0.01		0.01
Ethyl benzene		<0.01		0.01
Hydrogen sulfide		<0.01		0.01
Naphthalene		<0.01		0.01
Polynuclear Aromatic Hydrocarbons		<0.01		<0.01
Styrene		<0.01		0.01
Toluene		<0.01		0.01
Xylene (mixed isomers)		<0.01		0.01
n-Hexane		<0.01		0.02
GRP 0159 T-416		Benzene	0.07	
	Biphenyl	<0.01		0.01
	Cumene	<0.01		0.01

**EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS**

AI ID: 286 - ExxonMobil Baton Rouge Chemical Plant

Activity Number: PER20090019

Permit Number: 2031-V8

Air - Title V Regular Permit Major Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
GRP 0159 T-416	Ethyl benzene	<0.01		0.02
	Hydrogen sulfide	<0.01		0.01
	Naphthalene	<0.01		0.01
	Polynuclear Aromatic Hydrocarbons	<0.01		<0.01
	Styrene	<0.01		0.01
	Toluene	0.01		0.06
	Xylene (mixed isomers)	0.02		0.07
	n-Hexane	0.04		0.19
GRP 0160 T-771	Benzene	0.12		0.51
	Biphenyl	<0.01		0.01
	Cumene	<0.01		0.01
	Ethyl benzene	<0.01		0.01
	Hydrogen sulfide	0.09		0.40
	Naphthalene	<0.01		0.01
	Styrene	<0.01		0.01
	Toluene	<0.01		0.02
	Xylene (mixed isomers)	<0.01		0.01
	n-Hexane	0.07		0.31
RLP 0110 M-79	Nickel (and compounds)	0.20	36.00	0.09
RLP 0111 V-398	1,3-Butadiene	0.16	0.19	0.7
	Benzene	0.27	0.32	1.19
	Cumene	0.002	0.1	0.01
	Ethyl benzene	0.75	0.88	3.29
	Hydrogen sulfide	0.002	0.1	0.01
	Naphthalene	0.002	0.1	0.01
	Phenol	0.002	0.1	0.01
	Styrene	0.002	0.1	0.01
	Toluene	0.002	0.1	0.01
	Xylene (mixed isomers)	0.002	0.1	0.01
TRT 0001 S-86	Benzene	<0.01	0.10	0.01
	Ethyl benzene	<0.01	0.10	0.01
	Styrene	<0.01	0.10	0.01
	Sulfuric acid	0.23	1.20	1.00

**EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS**

AI ID: 286 - ExxonMobil Baton Rouge Chemical Plant

Activity Number: PER20090019

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Air - Title V Regular Permit Major Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
TRT 0001 S-86	Toluene	<0.01	0.10	0.01
	Xylene (mixed isomers)	<0.01	0.10	0.01
UNF 0008 FACILITY WIDE	1,3-Butadiene			5.78
	Acetonitrile			0.01
	Benzene			9.42
	Biphenyl			0.10
	Cresol			0.18
	Cumene			0.28
	Ethyl benzene			6.14
	Hydrogen sulfide			7.80
	Methanol			0.97
	Methyl Tertiary Butyl Ether			0.01
	Methyl ethyl ketone			0.09
	Methyl isobutyl ketone			0.06
	Naphthalene			0.21
	Nickel (and compounds)			0.09
	Phenol			0.15
	Polynuclear Aromatic Hydrocarbons			0.01
	Styrene			1.69
	Sulfuric acid			1.00
	Toluene			6.03
Xylene (mixed isomers)			5.03	
n-Hexane			10.53	
n-butyl alcohol			0.02	

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote. Emission rates attributed to the UNF reflect the sum of the TAP/HAP limits of the individual emission points (or caps) under this permit, but do not constitute an emission cap.

**SPECIFIC REQUIREMENTS**

**AI ID: 286 - ExxonMobil Baton Rouge Chemical Plant**  
**Activity Number: PER20090019**  
**Permit Number: 2031-V8**  
**Air - Title V Regular Permit Major Mod**

**EQT 0676 C-01 - GFLA-1 COOLING TOWER**

- 1 [40 CFR 63.104(b)] CPLA & BPLA Heat exchange systems (cooling water): HAP monitored by the regulation's specified method(s) monthly for the first 6 months and quarterly thereafter to detect leaks. Monitor for total hazardous air pollutants, total volatile organic compounds, total organic carbon, one or more speciated HAP compounds, or other representative substances that would indicate the presence of a leak in the heat exchange system. Subpart F. [40 CFR 63.104(b)]  
 Which Months: All Year Statistical Basis: None specified
- 2 [40 CFR 63.104(c)(3)] CPLA & BPLA Heat exchange systems: Maintain, at all times, the monitoring plan currently in use. Maintain on-site, or accessible from a central location by computer or other means that provide access within 2 hours after a request. If a monitoring plan is superseded, retain the most recent superseded plan at least until 5 years from the date of its creation. Retain the superseded plan on-site (or accessible from a central location by computer or other means that provides access within 2 hours after a request) for at least 6 months after its creation. Subpart F. [40 CFR 63.104(c)(3)]
- 3 [40 CFR 63.104(c)] CPLA & BPLA Heat exchange systems: Prepare and implement a monitoring plan that documents the procedures that will be used to detect leaks of process fluids into cooling water. Require monitoring of one or more surrogate indicators or monitoring of one or more process parameters or other conditions that indicate a leak. Include the information specified in 40 CFR 63.104(c)(i) and (ii). Monitor no less frequently than monthly for the first six months and quarterly thereafter to detect leaks. If a substantial leak is identified by methods other than those described in the monitoring plan and method(s) specified in the plan could not detect the leak, revise the plan and document the basis for the changes. Complete revisions to the plan no later than 180 days after discovery of the leak. Subpart F. [40 CFR 63.104(c)]
- 4 [40 CFR 63.104(d)] CPLA & BPLA Heat exchange systems: Repair leaks as soon as practicable but not later than 45 calendar days after receiving results of monitoring tests indicating a leak, if a leak is detected according to the criteria of 40 CFR 63.104(b) or (c). Once the leak has been repaired, confirm that the heat exchange system has been repaired within 7 calendar days of the repair or startup, whichever is later. Subpart F. [40 CFR 63.104(d)]
- 5 [40 CFR 63.104(f)] CPLA & BPLA Heat exchange systems: Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Retain the records identified in 40 CFR 63.104(f)(i) through (iv) as specified in 40 CFR 63.103(c)(1). Subpart F. [40 CFR 63.104(f)]
- 6 [40 CFR 63.1086(b)] HAP monitored by the regulation's specified method(s) monthly for 6 months, both initially and following completion of a leak repair. Monitor cooling water at the entrance and exit of each heat exchanger for the HAP listed in 40 CFR 63 Subpart XX Table 1 or other representative substances that indicate the presence of a leak using any method listed in 40 CFR part 136 or the methods specified in 40 CFR 63.1086(d). Then, if no leaks are detected by monitoring monthly for a 6 month period, monitor quarterly thereafter until a leak is detected. If a leak is detected, monitor monthly until the leak has been repaired. Upon completion of repair, monitor according to the specifications in 40 CFR 63.1086(b)(1)(i). Maintain Heat exchange systems. Subpart XX. [40 CFR 63.1086(b)]  
 Which Months: All Year Statistical Basis: None specified  
 Maintain Heat exchange systems: When using a surrogate to detect leaks into the water, prepare and implement a monitoring plan that documents the procedures that will be used to detect leaks of process fluids into cooling waters. Ensure that the plan requires monitoring of one or more process parameters or other conditions that indicate a leak. Include the information specified in 40 CFR 63.1086(c)(1)(i) through (c)(1)(iv). Subpart XX. [40 CFR 63.1086(c)(1)]
- 7 [40 CFR 63.1086(c)(1)]

**SPECIFIC REQUIREMENTS**

**AI ID: 286 - ExxonMobil Baton Rouge Chemical Plant**  
**Activity Number: PER20090019**  
**Permit Number: 2031-V8**  
**Air - Title V Regular Permit Major Mod**

**EQT 0676 C-01 - GFLA-1 COOLING TOWER**

- 8 [40 CFR 63.1086(c)(2)] **Maintrain Heat exchange systems:** When using a surrogate to detect leaks into the water, revise the monitoring plan and document the basis for the changes, if a leak is identified by audio, visual, or olfactory inspection, a method listed in 40 CFR part 136, or any other means other than those described in the monitoring plan, and the method(s) specified in the plan could not detect the leak. Complete the revisions to the plan no later than 180 days after discovery of the leak. Subpart XX. [40 CFR 63.1086(c)(2)]
- 9 [40 CFR 63.1086(c)(3)] **Maintrain Heat exchange systems:** When using a surrogate to detect leaks into the water, maintain, at all times, the monitoring plan that is currently in use. Maintain the plan on-site, or make accessible from a central location by computer or other means that provide access within 2 hours after a request. If the monitoring plan is changed, retain the most recent superseded plan for at least 5 years from the date of its creation. Retain the superseded plan on-site or accessible from a central location by computer or other means that provide access within 2 hours after a request. Subpart XX. [40 CFR 63.1086(c)(3)]
- 10 [40 CFR 63.1087(a)] **Maintrain Heat exchange systems:** Repair leaks as soon as practical but not later than 45 calendar days after receiving the results of monitoring tests that indicated a leak. Repair leaks unless it can be demonstrated that the results are due to a condition other than a leak. Subpart XX. [40 CFR 63.1087(a)]
- 11 [40 CFR 63.1087(b)] **Maintrain Heat exchange systems:** Once a leak has been repaired, use the monitoring requirements in 40 CFR 63.1086 within 7 calendar days of the repair or startup, whichever is later, to confirm that the heat exchange system has been repaired. Subpart XX. [40 CFR 63.1087(b)]
- 12 [40 CFR 63.1089] **Equipment/operational data recordkeeping** by electronic or hard copy continuously. Keep records of the information specified in 40 CFR 63.1089(a) through (e), according to the requirements of 40 CFR 63.1109(c). **Maintrain Heat exchange systems.** Subpart XX.
- 13 [40 CFR 63.1090] **Maintrain Heat exchange systems:** Report any delay of repair in the semiannual report required by 40 CFR 63.1110(e). If the leak remains unrepaired, continue to report the delay of repair in semiannual reports until the leak is repaired. Include the information in 40 CFR 63.1090(a) through (e) in the semiannual report. Subpart XX.
- 14 [40 CFR 63.2490(a)] **CPLA Heat exchange systems:** Comply with the requirements of 40 CFR 63.101 and the requirements referenced therein, except as specified in 40 CFR 63.2490. Subpart FFFF. [40 CFR 63.2490(a)]
- 15 [LAC 33:III.5109.A] **Compliance** with the requirements of 40 CFR 63 Subparts F, XX, or FFFF for heat exchanges utilizing this cooling tower is determined as MACT.

**EQT 0677 C-02B - GFLA-3 COOLING TOWER (MAINTRAIN ETHYLENE PRODUCTION FACILITIES)**

- 16 [40 CFR 63.1086(b)] **HAP** monitored by the regulation's specified method(s) monthly for 6 months, both initially and following completion of a leak repair. Monitor cooling water at the entrance and exit of each heat exchanger for the HAP listed in 40 CFR 63 Subpart XX Table 1 or other representative substances that indicate the presence of a leak using any method listed in 40 CFR part 136 or the methods specified in 40 CFR 63.1086(d). Then, if no leaks are detected by monitoring monthly for a 6 month period, monitor quarterly thereafter until a leak is detected. If a leak is detected, monitor monthly until the leak has been repaired. Upon completion of repair, monitor according to the specifications in 40 CFR 63.1086(b)(1)(i). Subpart XX. [40 CFR 63.1086(b)]
- 17 [40 CFR 63.1086(c)(1)] **Which Months:** All Year **Statistical Basis:** None specified  
**When using a surrogate to detect leaks into the water, prepare and implement a monitoring plan that documents the procedures that will be used to detect leaks of process fluids into cooling waters. Ensure that the plan requires monitoring of one or more process parameters or other conditions that indicate a leak. Include the information specified in 40 CFR 63.1086(c)(1)(i) through (c)(1)(iv). Subpart XX. [40 CFR 63.1086(c)(1)]**

**SPECIFIC REQUIREMENTS**

**AJ ID: 286 - ExxonMobil Baton Rouge Chemical Plant**  
**Activity Number: PER20090019**  
**Permit Number: 2031-V8**  
**Air - Title V Regular Permit Major Mod**

**EQT 0677 C-02B - GFLA-3 COOLING TOWER (MAINTRAIN ETHYLENE PRODUCTION FACILITIES)**

- 18 [40 CFR 63.1086(c)(2)] When using a surrogate to detect leaks into the water, revise the monitoring plan and document the basis for the changes, if a leak is identified by audio, visual, or olfactory inspection, a method listed in 40 CFR part 136, or any other means other than those described in the monitoring plan, and the method(s) specified in the plan could not detect the leak. Complete the revisions to the plan no later than 180 days after discovery of the leak. Subpart XX. [40 CFR 63.1086(c)(2)]
- 19 [40 CFR 63.1086(c)(3)] When using a surrogate to detect leaks into the water, maintain, at all times, the monitoring plan that is currently in use. Maintain the plan on-site, or make accessible from a central location by computer or other means that provide access within 2 hours after a request. If the monitoring plan is changed, retain the most recent superseded plan for at least 5 years from the date of its creation. Retain the superseded plan on-site or accessible from a central location by computer or other means that provide access within 2 hours after a request. Subpart XX. [40 CFR 63.1086(c)(3)]
- 20 [40 CFR 63.1087(a)] Repair leaks as soon as practical but not later than 45 calendar days after receiving the results of monitoring tests that indicated a leak. Repair leaks unless it can be demonstrated that the results are due to a condition other than a leak. Subpart XX. [40 CFR 63.1087(a)]
- 21 [40 CFR 63.1087(b)] Once a leak has been repaired, use the monitoring requirements in 40 CFR 63.1086 within 7 calendar days of the repair or startup, whichever is later, to confirm that the heat exchange system has been repaired. Subpart XX. [40 CFR 63.1087(b)]
- 22 [40 CFR 63.1089] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in 40 CFR 63.1089(a) through (e), according to the requirements of 40 CFR 63.1109(c). Subpart XX.
- 23 [40 CFR 63.1090] Report any delay of repair in the semiannual report required by 40 CFR 63.1110(e). If the leak remains unrepaired, continue to report the delay of repair in semiannual reports until the leak is repaired. Include the information in 40 CFR 63.1090(a) through (e) in the semiannual report. Subpart XX.
- 24 [LAC 33:III.5109.A] Compliance with the requirements of 40 CFR 63 Subpart XX for heat exchange systems is determined as MACT.

**EQT 0678 C-03A - GFLA-9 COOLING TOWER (MAINTRAIN ETHYLENE PRODUCTION FACILITIES)**

- 25 [40 CFR 63.1086(b)] HAP monitored by the regulation's specified method(s) monthly for 6 months, both initially and following completion of a leak repair. Monitor cooling water at the entrance and exit of each heat exchanger for the HAP listed in 40 CFR 63 Subpart XX Table 1 or other representative substances that indicate the presence of a leak using any method listed in 40 CFR part 136 or the methods specified in 40 CFR 63.1086(d). Then, if no leaks are detected by monitoring monthly for a 6 month period, monitor quarterly thereafter until a leak is detected. If a leak is detected, monitor monthly until the leak has been repaired. Upon completion of repair, monitor according to the specifications in 40 CFR 63.1086(b)(1)(i). Subpart XX. [40 CFR 63.1086(b)]
- 26 [40 CFR 63.1086(c)(1)] Which Months: All Year Statistical Basis: None specified
- When using a surrogate to detect leaks into the water, prepare and implement a monitoring plan that documents the procedures that will be used to detect leaks of process fluids into cooling waters. Ensure that the plan requires monitoring of one or more process parameters or other conditions that indicate a leak. Include the information specified in 40 CFR 63.1086(c)(1)(i) through (c)(1)(iv). Subpart XX. [40 CFR 63.1086(c)(1)]
- 27 [40 CFR 63.1086(c)(2)] When using a surrogate to detect leaks into the water, revise the monitoring plan and document the basis for the changes, if a leak is identified by audio, visual, or olfactory inspection, a method listed in 40 CFR part 136, or any other means other than those described in the monitoring plan, and the method(s) specified in the plan could not detect the leak. Complete the revisions to the plan no later than 180 days after discovery of the leak. Subpart XX. [40 CFR 63.1086(c)(2)]

**SPECIFIC REQUIREMENTS**

**AI ID: 286 - ExxonMobil Baton Rouge Chemical Plant**  
**Activity Number: PER20090019**  
**Permit Number: 2031-V8**  
**Air - Title V Regular Permit Major Mod**

**EQT 0678 C-03A - GFLA-9 COOLING TOWER (MAINTRAIN ETHYLENE PRODUCTION FACILITIES)**

- 28 [40 CFR 63.1086(c)(3)] When using a surrogate to detect leaks into the water, maintain, at all times, the monitoring plan that is currently in use. Maintain the plan on-site, or make accessible from a central location by computer or other means that provide access within 2 hours after a request. If the monitoring plan is changed, retain the most recent superseded plan for at least 5 years from the date of its creation. Retain the superseded plan on-site or accessible from a central location by computer or other means that provide access within 2 hours after a request. Subpart XX. [40 CFR 63.1086(c)(3)]
- 29 [40 CFR 63.1087(a)] Repair leaks as soon as practical but not later than 45 calendar days after receiving the results of monitoring tests that indicated a leak. Repair leaks unless it can be demonstrated that the results are due to a condition other than a leak. Subpart XX. [40 CFR 63.1087(a)]
- 30 [40 CFR 63.1087(b)] Once a leak has been repaired, use the monitoring requirements in 40 CFR 63.1086 within 7 calendar days of the repair or startup, whichever is later, to confirm that the heat exchange system has been repaired. Subpart XX. [40 CFR 63.1087(b)]
- 31 [40 CFR 63.1089] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in 40 CFR 63.1089(a) through (e), according to the requirements of 40 CFR 63.1109(c). Subpart XX.
- 32 [40 CFR 63.1090] Report any delay of repair in the semiannual report required by 40 CFR 63.1110(e). If the leak remains unrepaired, continue to report the delay of repair in semiannual reports until the leak is repaired. Include the information in 40 CFR 63.1090(a) through (e) in the semiannual report. Subpart XX.
- 33 [LAC 33:1115.109.A] Compliance with the requirements of 40 CFR 63 Subpart XX for heat exchange systems is determined as MACT.

**EQT 0679 C-05 - EPLA-W COOLING TOWER**

- 34 [40 CFR 63.104(b)] BELA-5 Heat exchange systems (cooling water): HAP monitored by the regulation's specified method(s) monthly for the first 6 months and quarterly thereafter to detect leaks. Monitor for total hazardous air pollutants, total volatile organic compounds, total organic carbon, one or more specified HAP compounds, or other representative substances that would indicate the presence of a leak in the heat exchange system. Subpart F. [40 CFR 63.104(b)]
- 35 [40 CFR 63.104(c)(3)] Which Months: All Year Statistical Basis: None specified  
 BELA-5 Heat exchange systems: Maintain, at all times, the monitoring plan currently in use. Maintain on-site, or accessible from a central location by computer or other means that provide access within 2 hours after a request. If a monitoring plan is superseded, retain the most recent superseded plan at least until 5 years from the date of its creation. Retain the superseded plan on-site (or accessible from a central location by computer or other means that provides access within 2 hours after a request) for at least 6 months after its creation. Subpart F. [40 CFR 63.104(c)(3)]
- 36 [40 CFR 63.104(c)] BELA-5 Heat exchange systems: Prepare and implement a monitoring plan that documents the procedures that will be used to detect leaks of process fluids into cooling water. Require monitoring of one or more surrogate indicators or monitoring of one or more process parameters or other conditions that indicate a leak. Include the information specified in 40 CFR 63.104(c)(1)(i) and (ii). Monitor no less frequently than monthly for the first six months and quarterly thereafter to detect leaks. If a substantial leak is identified by methods other than those described in the monitoring plan and method(s) specified in the plan could not detect the leak, revise the plan and document the basis for the changes. Complete revisions to the plan no later than 180 days after discovery of the leak. Subpart F. [40 CFR 63.104(c)]
- 37 [40 CFR 63.104(d)] BELA-5 Heat exchange systems: Repair leaks as soon as practicable but not later than 45 calendar days after receiving results of monitoring tests indicating a leak, if a leak is detected according to the criteria of 40 CFR 63.104(b) or (c). Once the leak has been repaired, confirm that the heat exchange system has been repaired within 7 calendar days of the repair or startup, whichever is later. Subpart F. [40 CFR 63.104(d)]

**SPECIFIC REQUIREMENTS**

**AI ID: 286 - ExxonMobil Baton Rouge Chemical Plant**  
**Activity Number: PER20090019**  
**Permit Number: 2031-V8**  
**Air - Title V Regular Permit Major Mod**

**EQT 0679 C-05 - EPLA-W COOLING TOWER**

- 38 [40 CFR 63.104(f)] BELA-5 Heat exchange systems: Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Retain the records identified in 40 CFR 63.104(f)(1)(i) through (iv) as specified in 40 CFR 63.103(c)(1). Subpart F. [40 CFR 63.104(f)]
- 39 [40 CFR 63.1086(b)] HAP monitored by the regulation's specified method(s) monthly for 6 months, both initially and following completion of a leak repair. Monitor cooling water at the entrance and exit of each heat exchanger for the HAP listed in 40 CFR 63 Subpart XX Table 1 or other representative substances that indicate the presence of a leak using any method listed in 40 CFR part 136 or the methods specified in 40 CFR 63.1086(d). Then, if no leaks are detected by monitoring monthly for a 6 month period, monitor quarterly thereafter until a leak is detected. If a leak is detected, monitor monthly until the leak has been repaired. Upon completion of repair, monitor according to the specifications in 40 CFR 63.1086(b)(1)(i). Maintrain Heat exchange systems. Subpart XX. [40 CFR 63.1086(b)]  
 Which Months: All Year Statistical Basis: None specified  
 Maintrain Heat exchange systems: When using a surrogate to detect leaks into the water, prepare and implement a monitoring plan that documents the procedures that will be used to detect leaks of process fluids into cooling waters. Ensure that the plan requires monitoring of one or more process parameters or other conditions that indicate a leak. Include the information specified in 40 CFR 63.1086(c)(1)(i) through (c)(1)(iv). Subpart XX. [40 CFR 63.1086(c)(1)]
- 40 [40 CFR 63.1086(c)(1)] Maintrain Heat exchange systems: When using a surrogate to detect leaks into the water, revise the monitoring plan and document the basis for the changes, if a leak is identified by audio, visual, or ofactory inspection, a method listed in 40 CFR part 136, or any other means other than those described in the monitoring plan, and the method(s) specified in the plan could not detect the leak. Complete the revisions to the plan no later than 180 days after discovery of the leak. Subpart XX. [40 CFR 63.1086(c)(2)]
- 41 [40 CFR 63.1086(c)(2)] Maintrain Heat exchange systems: When using a surrogate to detect leaks into the water, maintain, at all times, the monitoring plan that is currently in use. Maintain the plan on-site, or make accessible from a central location by computer or other means that provide access within 2 hours after a request. If the monitoring plan is changed, retain the most recent superseded plan for at least 5 years from the date of its creation. Retain the superseded plan on-site or accessible from a central location by computer or other means that provide access within 2 hours after a request. Subpart XX. [40 CFR 63.1086(c)(3)]
- 42 [40 CFR 63.1086(c)(3)] Maintrain Heat exchange systems: Repair leaks as soon as practical but not later than 45 calendar days after receiving the results of monitoring tests that indicated a leak. Repair leaks unless it can be demonstrated that the results are due to a condition other than a leak. Subpart XX. [40 CFR 63.1087(a)]
- 43 [40 CFR 63.1087(a)] Maintrain Heat exchange systems: Once a leak has been repaired, use the monitoring requirements in 40 CFR 63.1086 within 7 calendar days of the repair or startup, whichever is later, to confirm that the heat exchange system has been repaired. Subpart XX. [40 CFR 63.1087(b)]
- 44 [40 CFR 63.1087(b)] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in 40 CFR 63.1089(a) through (c), according to the requirements of 40 CFR 63.1109(c). Maintrain Heat exchange systems. Subpart XX.
- 45 [40 CFR 63.1089] Maintrain Heat exchange systems: Report any delay of repair in the semiannual reports until the leak is repaired. Include the information in 40 CFR 63.1090(a) unrepaired, continue to report the delay of repair in semiannual reports until the leak is repaired. Include the information in 40 CFR 63.1090(a) through (e) in the semiannual report. Subpart XX.
- 46 [40 CFR 63.1090] Compliance with the requirements of 40 CFR 63 Subparts F or XX for heat exchanges utilizing this cooling tower is determined as MACT.

**EQT 0681 M-64A - SECONDARY WASTEWATER EMISSIONS (MAINTRAIN WASTEWATERS TO WILA)**

**SPECIFIC REQUIREMENTS**

**AI ID: 286 - ExxonMobil Baton Rouge Chemical Plant**  
**Activity Number: PER20090019**  
**Permit Number: 2031-V8**  
**Air - Title V Regular Permit Major Mod**

**EQT 0681 M-64A - SECONDARY WASTEWATER EMISSIONS (MAINRAIN WASTEWATERS TO WILA)**

- 48 [40 CFR 61.348(a)(1)] **TREATMENT PROCESS:** Remove benzene in the waste stream to <10 ppmw on a flow-weighted basis or remove benzene by at least 99 wt% on an annual average basis. [40 CFR 61.348(a)(1)]
- 49 [40 CFR 61.356] **Equipment/operational data recordkeeping by electronic or hard copy continuously** Maintain records as specified in 40 CFR 61.356(a) through (n). Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF.
- 50 [40 CFR 61.357(d)(6)] **Submit report:** Due quarterly, beginning three months after the date that the equipment necessary to comply with 40 CFR 61 Subpart FF has been certified in accordance with 40 CFR 61.357(d)(1). Submit a certification that all of the required inspections have been carried out in accordance with the requirements of 40 CFR 61 Subpart FF. Subpart FF. [40 CFR 61.357(d)(6)]
- 51 [40 CFR 61.357(d)(7)] **Submit report:** Due quarterly, beginning three months after the date that the equipment necessary to comply with 40 CFR 61 Subpart FF has been certified in accordance with 40 CFR 61.357(d)(1). Include the information specified in 40 CFR 61.357(d)(7)(i) through (d)(7)(v). Subpart FF. [40 CFR 61.357(d)(7)]
- 52 [40 CFR 61.357(d)(8)] **Submit report:** Due annually, beginning one year after the date that the equipment necessary to comply with 40 CFR 61 Subpart FF has been certified in accordance with 40 CFR 61.357(d)(1). Submit a report that summarizes all inspections required by 40 CFR 61.342 through 61.354 during which detectable emissions are measured or a problem that could result in benzene emissions is identified, including information about the repairs or corrective action taken. Subpart FF. [40 CFR 61.357(d)(8)]
- 53 [40 CFR 63.1095(a)(1)] **Comply with the requirements of 40 CFR 61 Subpart FF, with the changes in 40 CFR 63 Subpart XX Table 2 and 40 CFR 63.1095(a)(1)(i) through (a)(1)(v). Subpart XX.** [40 CFR 63.1095(a)(1)]
- 54 [40 CFR 63.1095(a)(1)] **Route the continuous butadiene stream to a treatment process or wastewater treatment system used to treat benzene waste streams that complies with the standards specified in 40 CFR 61.348. Subpart XX.** [40 CFR 63.1095(a)(1)]
- 55 [LAC 33:III.5109.A] **Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Compliance with the requirements of 40 CFR 63 Subpart XX for wastes is determined as MACT.**

**EQT 0682 M-64B - SECONDARY WASTEWATER EMISSIONS (MAINRAIN WASTEWATERS TO SOUR WATER STRIPPER)**

- 56 [40 CFR 61.348(a)(1)] **TREATMENT PROCESS:** Remove benzene in the waste stream to <10 ppmw on a flow-weighted basis or remove benzene by at least 99 wt% on an annual average basis. [40 CFR 61.348(a)(1)]
- 57 [40 CFR 61.356] **Equipment/operational data recordkeeping by electronic or hard copy continuously** Maintain records as specified in 40 CFR 61.356(a) through (n). Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF.
- 58 [40 CFR 61.357(d)(6)] **Submit report:** Due quarterly, beginning three months after the date that the equipment necessary to comply with 40 CFR 61 Subpart FF has been certified in accordance with 40 CFR 61.357(d)(1). Submit a certification that all of the required inspections have been carried out in accordance with the requirements of 40 CFR 61 Subpart FF. Subpart FF. [40 CFR 61.357(d)(6)]
- 59 [40 CFR 61.357(d)(7)] **Submit report:** Due quarterly, beginning three months after the date that the equipment necessary to comply with 40 CFR 61 Subpart FF has been certified in accordance with 40 CFR 61.357(d)(1). Include the information specified in 40 CFR 61.357(d)(7)(i) through (d)(7)(v). Subpart FF. [40 CFR 61.357(d)(7)]

**SPECIFIC REQUIREMENTS**

**AI ID: 286 - ExxonMobil Baton Rouge Chemical Plant**

**Activity Number: PER20090019**

**Permit Number: 2031-V8**

**Air - Title V Regular Permit Major Mod**

**EQT 0682 M-64B - SECONDARY WASTEWATER EMISSIONS (MAINRAIN WASTEWATERS TO SOUR WATER STRIPPER)**

60 [40 CFR 61.357(d)(8)]

Submit report: Due annually, beginning one year after the date that the equipment necessary to comply with 40 CFR 61 Subpart FF has been certified in accordance with 40 CFR 61.357(d)(1). Submit a report that summarizes all inspections required by 40 CFR 61.342 through 61.354 during which detectable emissions are measured or a problem that could result in benzene emissions is identified, including information about the repairs or corrective action taken. Subpart FF. [40 CFR 61.357(d)(8)]

61 [40 CFR 63.1095(b)]

Comply with the requirements of 40 CFR 61 Subpart FF, except as specified in 40 CFR 63 Subpart XX Table 2. Subpart XX. [40 CFR 63.1095(b)]

62 [LAC 33:III.5109.A]

Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Compliance with the requirements of 40 CFR 63 Subpart XX for wastes is determined as MACT.

**EQT 0683 M-64C - SECONDARY WASTEWATER EMISSIONS (MAINRAIN WASTEWATERS TO AWT)**

63 [40 CFR 61.342(c)(2)]

For wastestreams that have a flow-weighted annual average benzene concentration <10 ppmw, demonstrate at least once per year that the flow-weighted annual average benzene concentration is still <10 ppmw. [40 CFR 61.342(c)(2)]

64 [40 CFR 61.356(b)(1)]

For wastestreams that have a flow-weighted annual average benzene concentration <10 ppmw, maintain records for the waste stream, including all test results, measurements, calculations, and other documentation used to determine information. (i.e. annual average flow-weighted benzene concentration). [40 CFR 61.356(b)(1)]

65 [40 CFR 61.357(d)(2)]

For wastestreams that have a flow-weighted annual average benzene concentration <10 ppmw, include in the annual report, the information outlined in 61.357(a)(3) including the annual flow-weighted benzene concentration for the waste stream. [40 CFR 61.357(d)(2)]

66 [40 CFR 63.1095(b)]

Comply with the requirements of 40 CFR 61 Subpart FF, except as specified in 40 CFR 63 Subpart XX Table 2. Subpart XX. [40 CFR 63.1095(b)]

67 [LAC 33:III.5109.A]

Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Compliance with the requirements of 40 CFR 63 Subpart XX for wastes is determined as MACT.

**EQT 0684 M-64D - TANKFARM AREA RUNOFF TO EXXONMOBIL BRRF REFINERY WASTEWATER TREATMENT SYSTEM**

68 [40 CFR 61.342(c)(2)]

For wastestreams that have a flow-weighted annual average benzene concentration <10 ppmw, demonstrate at least once per year that the flow-weighted annual average benzene concentration is still <10 ppmw. [40 CFR 61.342(c)(2)]

69 [40 CFR 61.356(b)(1)]

For wastestreams that have a flow-weighted annual average benzene concentration <10 ppmw, maintain records for the waste stream, including all test results, measurements, calculations, and other documentation used to determine information. (i.e. annual average flow-weighted benzene concentration). [40 CFR 61.356(b)(1)]

70 [40 CFR 61.357(d)(2)]

For wastestreams that have a flow-weighted annual average benzene concentration <10 ppmw, include in the annual report, the information outlined in 61.357(a)(3) including the annual flow-weighted benzene concentration for the waste stream. [40 CFR 61.357(d)(2)]

71 [40 CFR 63.1095(b)]

Comply with the requirements of 40 CFR 61 Subpart FF, except as specified in 40 CFR 63 Subpart XX Table 2. Subpart XX. [40 CFR 63.1095(b)]

72 [LAC 33:III.5109.A]

Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Compliance with the requirements of 40 CFR 63 Subpart XX for wastes is determined as MACT.

**SPECIFIC REQUIREMENTS**

**AI ID: 286 - ExxonMobil Baton Rouge Chemical Plant**

**Activity Number: PER20090019**

**Permit Number: 2031-V8**

**Air - Title V Regular Permit Major Mod**

**EQT 0685 M-64E - OLA-2X SPENT CAUSTIC WASTEWATER STREAMS TO SCOLA SYSTEM**

- 73 [40 CFR 61.348(a)(1)] **TREATMENT PROCESS:** Remove benzene in the waste stream to <10 ppmw on a flow-weighted basis or remove benzene by at least 99 wt% on an annual average basis. [40 CFR 61.348(a)(1)]
- 74 [40 CFR 61.356] **Equipment/operational data recordkeeping by electronic or hard copy continuously** Maintain records as specified in 40 CFR 61.356(a) through (n). **Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified.** Subpart FF.
- 75 [40 CFR 61.357(d)(6)] **Submit report:** Due quarterly, beginning three months after the date that the equipment necessary to comply with 40 CFR 61 Subpart FF has been certified in accordance with 40 CFR 61.357(d)(1). **Submit a certification that all of the required inspections have been carried out in accordance with the requirements of 40 CFR 61 Subpart FF.** Subpart FF. [40 CFR 61.357(d)(6)]
- 76 [40 CFR 61.357(d)(7)] **Submit report:** Due quarterly, beginning three months after the date that the equipment necessary to comply with 40 CFR 61 Subpart FF has been certified in accordance with 40 CFR 61.357(d)(1). **Include the information specified in 40 CFR 61.357(d)(7)(i) through (d)(7)(v).** Subpart FF. [40 CFR 61.357(d)(7)]
- 77 [40 CFR 61.357(d)(8)] **Submit report:** Due annually, beginning one year after the date that the equipment necessary to comply with 40 CFR 61 Subpart FF has been certified in accordance with 40 CFR 61.357(d)(1). **Submit a report that summarizes all inspections required by 40 CFR 61.342 through 61.354 during which detectable emissions are measured or a problem that could result in benzene emissions is identified, including information about the repairs or corrective action taken.** Subpart FF. [40 CFR 61.357(d)(8)]
- 78 [40 CFR 63.1095(b)] **Comply with the requirements of 40 CFR 61 Subpart FF, except as specified in 40 CFR 63 Subpart XX Table 2.** Subpart XX. [40 CFR 63.1095(b)]
- 79 [LAC 33:III.5109.A] **Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.** Compliance with the requirements of 40 CFR 63 Subpart XX for wastes is determined as MACT.

**EQT 0686 S-01 - OLA-2X STEAM CRACKING FURNACE AF-01**

- 80 [LAC 33:III.1101.B] **Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.**  
Which Months: All Year **Statistical Basis:** None specified
- 81 [LAC 33:III.1313.C] **Total suspended particulate <= 0.6 lb/MMBTU of heat input.**  
Which Months: All Year **Statistical Basis:** None specified

**EQT 0687 S-02 - OLA-2X STEAM CRACKING FURNACE BF-01**

- 82 [LAC 33:III.1101.B] **Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.**  
Which Months: All Year **Statistical Basis:** None specified
- 83 [LAC 33:III.1313.C] **Total suspended particulate <= 0.6 lb/MMBTU of heat input.**  
Which Months: All Year **Statistical Basis:** None specified

**SPECIFIC REQUIREMENTS**

**AI ID: 286 - ExxonMobil Baton Rouge Chemical Plant**

**Activity Number: PER20090019**

**Permit Number: 2031-V8**

**Air - Title V Regular Permit Major Mod**

**EQT 0688 S-03 - OLA-2X STEAM CRACKING FURNACE CF-01**

84 [LAC 33:III.1101.B]

Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: None specified

Total suspended particulate <= 0.6 lb/MMBTU of heat input.

Which Months: All Year Statistical Basis: None specified

**EQT 0689 S-06 - OLA-2X STEAM CRACKING FURNACE FF-01**

86 [LAC 33:III.1101.B]

Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: None specified

Total suspended particulate <= 0.6 lb/MMBTU of heat input.

Which Months: All Year Statistical Basis: None specified

**EQT 0690 S-07 - OLA-2X STEAM CRACKING FURNACE GF-01**

88 [LAC 33:III.1101.B]

Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: None specified

Total suspended particulate <= 0.6 lb/MMBTU of heat input.

Which Months: All Year Statistical Basis: None specified

**EQT 0691 S-08 - OLA-2X STEAM CRACKING FURNACE HF-01**

90 [LAC 33:III.1101.B]

Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: None specified

Total suspended particulate <= 0.6 lb/MMBTU of heat input.

Which Months: All Year Statistical Basis: None specified

**EQT 0692 S-09 - GAS TURBINE NG-01**

**SPECIFIC REQUIREMENTS**

**AI ID: 286 - ExxonMobil Baton Rouge Chemical Plant**  
**Activity Number: PER20090019**  
**Permit Number: 2031-V8**  
**Air - Title V Regular Permit Major Mod**

**EQT 0692 S-09 - GAS TURBINE NG-01**

- 92 [40 CFR 60.332(a)(2)] Nitrogen oxides < 150 ppmv at 15% oxygen and on a dry basis in gases discharged to the atmosphere. Use analytical methods and procedures that are accurate to within 5 percent and are approved by DEQ to determine the nitrogen content of the fuel being fired per 40 CFR 60.335(a). Subpart GG. [40 CFR 60.332(a)(2)]
- 93 [40 CFR 60.333(b)] Which Months: All Year Statistical Basis: None specified  
 Fuel sulfur content <= 0.8 % by weight (8000 ppmw) for any fuel burned. Subpart GG. [40 CFR 60.333(b)]
- 94 [40 CFR 64.9(a)] Which Months: All Year Statistical Basis: None specified  
 Submit report: Due on and after the date specified in 40 CFR 64.7(a) by which the owner or operator must use monitoring that meets the requirements of 40 CFR 64. Submit monitoring reports to the DEQ in accordance with 40 CFR 70.6(a)(3)(ii). Include in a report for monitoring under 40 CFR 64, at a minimum, the information required under 40 CFR 70.6(a)(3)(iii) and the information specified in 40 CFR 64.9(a)(2)(i) through (a)(2)(iii), as applicable. [40 CFR 64.9(a)]
- 95 [40 CFR 64.9(b)(1)] Monitoring data recordkeeping by electronic or hard copy continuously. Maintain these records for a period of at least five years. [40 CFR 64.9(b)(1)]
- 96 [40 CFR 64.9(b)(1)] Comply with the recordkeeping requirements specified in 40 CFR 70.6(a)(3)(ii). [40 CFR 64.9(b)(1)]
- 97 [40 CFR 64.9(b)(1)] Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records of monitor performance data, corrective actions taken, any written quality improvement plan required pursuant to 40 CFR 64.8 and any activities undertaken to implement a quality improvement plan, and other supporting information required to be maintained under 40 CFR 64 (such as data used to document the adequacy of monitoring, or records of monitoring maintenance or corrective actions). Maintain these records for a period of at least five years. [40 CFR 64.9(b)(1)]
- 98 [LAC 33:III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
- 99 [LAC 33:III.1313.C] Which Months: All Year Statistical Basis: None specified  
 Total suspended particulate <= 0.6 lb/MMBTU of heat input.
- 100 [LAC 33:III.2201.D.1] Which Months: All Year Statistical Basis: None specified  
 Nitrogen oxides <= 0.16 lb/MMBTU.
- 101 [LAC 33:III.2201.D] Which Months: May-Sep Statistical Basis: Thirty-day rolling average  
 Nitrogen oxides monitored by technically sound method continuously.
- 102 [LAC 33:III.2201.E.1] Which Months: May-Sep Statistical Basis: Thirty-day rolling average  
 Submit test results: Due within 60 days after completing the emission testing required in LAC 33:III.2201.I.1.
- 103 [LAC 33:III.2201.F] Submit Notification: Due at least 30 days prior to any compliance testing conducted under LAC 33:III.2201.G and any CEMS or PEMS performance evaluation conducted under LAC 33:III.2201.H in order to give DEQ an opportunity to conduct a pretest meeting and observe the emission testing.
- 104 [LAC 33:III.2201.F.2] Submit report: Due within 90 days of the end of each quarter for any noncompliance of the applicable emission limitations of LAC 33:III.2201.D or E. Include the information specified in LAC 33:III.2201.I.2.a through I.2.d.
- 105 [LAC 33:III.2201.F] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records of the information specified in LAC 33:III.2201.I.3 and I.4 as applicable.

**SPECIFIC REQUIREMENTS**

**AI ID: 286 - ExxonMobil Baton Rouge Chemical Plant**  
**Activity Number: PER20090019**  
**Permit Number: 2031-V8**  
**Air - Title V Regular Permit Major Mod**

**EQT 0693 S-102 - OLA-2X FF,GF, AND HF FURNACE DECOKING DRUM VENT**

- 106 [40 CFR 63.1103(e)(1)] Furnace stack emissions during decoking operations are emission points that are part of the affected source for an ethylene production unit. Emissions from decoking operations are not subject to any of the requirements in 63.1103(e)(3). Subpart YY. [40 CFR 63.1103(e)(1)]
- 107 [LAC 33:III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.  
 Which Months: All Year Statistical Basis: None specified  
 Total suspended particulate <= 0.6 lb/MMBTU of heat input.  
 Which Months: All Year Statistical Basis: None specified

**EQT 0694 S-105 - ECLA-WIEPLA-W STEAM CRACKING FURNACE MCF-01**

- 109 [LAC 33:III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.  
 Which Months: All Year Statistical Basis: None specified  
 Total suspended particulate <= 0.6 lb/MMBTU of heat input.  
 Which Months: All Year Statistical Basis: None specified

**EQT 0695 S-106 - ECLA-WIEPLA-W STEAM CRACKING FURNACE MDF-01**

- 111 [LAC 33:III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.  
 Which Months: All Year Statistical Basis: None specified  
 Total suspended particulate <= 0.6 lb/MMBTU of heat input.  
 Which Months: All Year Statistical Basis: None specified

**EQT 0696 S-109 - NACC PORTABLE AIR COMPRESSOR**

- 113 [LAC 33:III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.  
 Which Months: All Year Statistical Basis: None specified  
 Total suspended particulate <= 0.6 lb/MMBTU of heat input.  
 Which Months: All Year Statistical Basis: None specified

**EQT 0697 S-21 - REGENERATION HEATERS MKF-01/MSF-01**

**SPECIFIC REQUIREMENTS**

**AJ ID: 286 - ExxonMobil Baton Rouge Chemical Plant**  
**Activity Number: PER20090019**  
**Permit Number: 2031-V8**  
**Air - Title V Regular Permit Major Mod**

**EQT 0697 S-21 - REGENERATION HEATERS MKF-01/MSF-01**

115 [LAC 33:III.1101.B]

Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: None specified

Total suspended particulate <= 0.6 lb/MMBTU of heat input.

Which Months: All Year Statistical Basis: None specified

116 [LAC 33:III.1313.C]

**EQT 0698 S-26 - ECLA-WIEPLA-W STEAM CRACKING FURNACE MXF-01**

117 [LAC 33:III.1101.B]

Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: None specified

Total suspended particulate <= 0.6 lb/MMBTU of heat input.

Which Months: All Year Statistical Basis: None specified

118 [LAC 33:III.1313.C]

**EQT 0699 S-33 - MOX BOILER MZB-01**

119 [40 CFR 63.113(a)(2)]

Organic HAP >= 98 % reduction by weight, or <= 20 ppmv, whichever is less stringent, as determined using the methods in 40 CFR 63.116(c). For combustion devices, calculate emission reduction or concentration on a dry basis, corrected to 3-percent oxygen. Subpart G. [40 CFR 63.113(a)(2)]

Which Months: All Year Statistical Basis: None specified

120 [LAC 33:III.1101.B]

Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: None specified

Total suspended particulate <= 0.6 lb/MMBTU of heat input.

Which Months: All Year Statistical Basis: None specified

Nitrogen oxides <= 0.1 lb/MMBTU.

Which Months: May-Sep Statistical Basis: Thirty-day rolling average

Submit test results: Due within 60 days after completing the emission testing required in LAC 33:III.2201.I.1.

Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records of the information specified in LAC 33:III.2201.I.3 and I.4 as applicable.

Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Controlling the emissions to 98% destruction removal efficiency or 20 ppmw is determined as MACT.

125 [LAC 33:III.5109.A]

**EQT 0700 S-34 - MOX BOILER MZB-02**

**SPECIFIC REQUIREMENTS**

**AI ID: 286 - ExxonMobil Baton Rouge Chemical Plant**  
**Activity Number: PER20090019**  
**Permit Number: 2031-V8**  
**Air - Title V Regular Permit Major Mod**

**EQT 0700 S-34 - MOX BOILER MZB-02**

- 126 [40CFR 63.113(a)(2)] Organic HAP >= 98 % reduction by weight, or <= 20 ppmv, whichever is less stringent, as determined using the methods in 40 CFR 63.116(c). For combustion devices, calculate emission reduction or concentration on a dry basis, corrected to 3-percent oxygen. Subpart G. [40 CFR 63.113(a)(2)]  
 Which Months: All Year Statistical Basis: None specified
- 127 [LAC 33:III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.  
 Which Months: All Year Statistical Basis: None specified  
 Total suspended particulate <= 0.6 lb/MMBTU of heat input.  
 Which Months: All Year Statistical Basis: None specified  
 Nitrogen oxides <= 0.1 lb/MMBTU.  
 Which Months: May-Sep Statistical Basis: Thirty-day rolling average  
 Submit test results: Due within 60 days after completing the emission testing required in LAC 33:III.2201.1.1.
- 128 [LAC 33:III.1313.C] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records of the information specified in LAC 33:III.2201.1.3 and 1.4 as applicable.
- 129 [LAC 33:III.2201.D.1] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Controlling the emissions to 98% destruction removal efficiency or 20 ppmv is determined as MACT.
- 130 [LAC 33:III.2201.1.1]
- 131 [LAC 33:III.2201.1]
- 132 [LAC 33:III.5109.A]

**EQT 0701 S-35 - MOX BOILER MZB-03**

- 133 [LAC 33:III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.  
 Which Months: All Year Statistical Basis: None specified  
 Total suspended particulate <= 0.6 lb/MMBTU of heat input.  
 Which Months: All Year Statistical Basis: None specified  
 Nitrogen oxides <= 0.1 lb/MMBTU.  
 Which Months: May-Sep Statistical Basis: Thirty-day rolling average  
 Submit test results: Due within 60 days after completing the emission testing required in LAC 33:III.2201.1.1.
- 134 [LAC 33:III.1313.C] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records of the information specified in LAC 33:III.2201.1.3 and 1.4 as applicable.
- 135 [LAC 33:III.2201.D.1]
- 136 [LAC 33:III.2201.1.1]
- 137 [LAC 33:III.2201.1]

**EQT 0702 S-36 - MOX BOILER MZB-04**

**SPECIFIC REQUIREMENTS**

**AI ID: 286 - ExxonMobil Baton Rouge Chemical Plant**  
**Activity Number: PER20090019**  
**Permit Number: 2031-V8**  
**Air - Title V Regular Permit Major Mod**

**EQT 0702 S-36 - MOX BOILER MZB-04**

- 138 [LAC 33:III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.  
 Which Months: All Year Statistical Basis: None specified
- 139 [LAC 33:III.1313.C] Total suspended particulate <= 0.6 lb/MMBTU of heat input.  
 Which Months: All Year Statistical Basis: None specified
- 140 [LAC 33:III.2201.D.1] Nitrogen oxides <= 0.1 lb/MMBTU.  
 Which Months: May-Sep Statistical Basis: Thirty-day rolling average
- 141 [LAC 33:III.2201.I.1] Submit test results: Due within 60 days after completing the emission testing required in LAC 33:III.2201.I.1.
- 142 [LAC 33:III.2201.I] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records of the information specified in LAC 33:III.2201.I.3 and I.4 as applicable.

**EQT 0703 S-74 - MOX BOILER MZB-05**

- 143 [LAC 33:III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.  
 Which Months: All Year Statistical Basis: None specified
- 144 [LAC 33:III.1313.C] Total suspended particulate <= 0.6 lb/MMBTU of heat input.  
 Which Months: All Year Statistical Basis: None specified
- 145 [LAC 33:III.2201.D.1] Nitrogen oxides <= 0.1 lb/MMBTU.  
 Which Months: May-Sep Statistical Basis: Thirty-day rolling average
- 146 [LAC 33:III.2201.I.1] Submit test results: Due within 60 days after completing the emission testing required in LAC 33:III.2201.I.1.
- 147 [LAC 33:III.2201.I] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records of the information specified in LAC 33:III.2201.I.3 and I.4 as applicable.

**EQT 0704 S-84 - OLA-2X STEAM CRACKING FURNACE EF-01**

- 148 [LAC 33:III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.  
 Which Months: All Year Statistical Basis: None specified
- 149 [LAC 33:III.1313.C] Total suspended particulate <= 0.6 lb/MMBTU of heat input.  
 Which Months: All Year Statistical Basis: None specified

**EQT 0705 S-87 - OLA-2X AF/BI/CF FURNACE DECOKING DRUM VENT**

**SPECIFIC REQUIREMENTS**

**AJ ID: 286 - ExxonMobil Baton Rouge Chemical Plant**  
**Activity Number: PER20090019**  
**Permit Number: 2031-V8**  
**Air - Title V Regular Permit Major Mod**

**EQT 0705 S-87 - OLA-2X AF/BF/CF FURNACE DECKING DRUM VENT**

150 [LAC 33:III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.  
 Which Months: All Year Statistical Basis: None specified  
 Total suspended particulate <= 0.6 lb/MMBTU of heat input.  
 Which Months: All Year Statistical Basis: None specified

**EQT 0706 S-89 - ECLA-W DECKING DRUM VENT**

152 [LAC 33:III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.  
 Which Months: All Year Statistical Basis: None specified  
 Total suspended particulate <= 0.6 lb/MMBTU of heat input.  
 Which Months: All Year Statistical Basis: None specified

**EQT 0707 S-90 - OLA-2X EF FURNACE DECOKE DRUM VENT**

154 [LAC 33:III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.  
 Which Months: All Year Statistical Basis: None specified  
 Total suspended particulate <= 0.6 lb/MMBTU of heat input.  
 Which Months: All Year Statistical Basis: None specified

**EQT 0708 T-1655 - QUENCH OIL STORAGE TANK**

156 [LAC 33:III.5109.A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.  
 Fixed roof for storage vessel is determined as MACT.

**EQT 0709 T-1658 - STEAM CRACKED LIQUID STORAGE TANK**

157 [LAC 33:III.5109.A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.  
 Fixed roof for storage vessel is determined as MACT.

**EQT 0710 T-1659 - STEAM CRACKED LIQUID STORAGE TANK**

158 [LAC 33:III.5109.A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.  
 Fixed roof for storage vessel is determined as MACT.

**SPECIFIC REQUIREMENTS**

**AI ID: 286 - ExxonMobil Baton Rouge Chemical Plant**  
**Activity Number: PER20090019**  
**Permit Number: 2031-V8**  
**Air - Title V Regular Permit Major Mod**

**EQT 0711 T-1664 - STEAM CRACKED LIQUID STORAGE TANK**

159 [LAC 33:III.5109.A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Fixed roof for storage vessel is determined as MACT.

**EQT 0712 T-1677 - QUENCH OIL STORAGE TANK**

160 [LAC 33:III.5109.A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Fixed roof for storage vessel is determined as MACT.

**EQT 0713 T-1733 - STEAM CRACKED LIQUID STORAGE TANK**

161 [LAC 33:III.5109.A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Fixed roof for storage vessel is determined as MACT.

**EQT 0714 T-1734 - HYDROTREATER FEED TANK**

162 [LAC 33:III.5109.A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Internal Floating roof for storage vessel is determined as MACT.

**EQT 0715 T-1737 - SULFIDIC CAUSTIC STORAGE TANK**

163 [40 CFR 61.351(a)(1)] Install and operate a fixed roof and internal floating roof meeting the requirements in 40 CFR 60.112b(a)(1). Subpart FF. [40 CFR 61.351(a)(1)]  
 164 [40 CFR 63.1095(b)(2)] Manage and treat waste streams according to any of the options in 40 CFR 61.342(c)(1) through (e). Subpart XX. [40 CFR 63.1095(b)(2)]  
 165 [LAC 33:III.5109.A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Internal Floating roof for storage vessel is determined as MACT.

**EQT 0716 T-1968X - METHANOL STORAGE TANK**

166 [LAC 33:III.2103.B] Equip with a submerged fill pipe.  
 167 [LAC 33:III.2103.I] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.  
 168 [LAC 33:III.5109.A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Class III TAPS. MACT determination is not required.

**EQT 0717 T-236 - WHEEL WASH LIQUID STORAGE DRUM (HD-14)**

169 [LAC 33:III.5109.A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Fixed roof for storage vessel is determined as MACT.

**SPECIFIC REQUIREMENTS**

**AI ID: 286 - ExxonMobil Baton Rouge Chemical Plant**  
**Activity Number: PER20090019**  
**Permit Number: 2031-V8**  
**Air - Title V Regular Permit Major Mod**

**EQT 0718 T-282 - HEAVY NAPHTHA / STEAM CRACKED NAPHTHA / SPLITTER BOTTOMS STORAGE TANK**

170 [LAC 33:III.5109.A]

Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Fixed roof for storage vessel is determined as MACT.

**EQT 0719 T-302 - WATER DISENGAGING DRUM (BDD-302)**

171 [40 CFR 61.357(d)(2)]

For wastestreams that have a flow-weighted annual average benzene concentration <10 ppmw, include in the annual report, the information outlined in 61.357(a)(3) including the annual flow-weighted benzene concentration for the waste stream

[40 CFR 61.357(d)(2)]

172 [40 CFR 63.1095(b)] Comply with the requirements of 40 CFR 61 Subpart FF, except as specified in 40 CFR 63 Subpart XX Table 2. Subpart XX. [40 CFR 63.1095(b)]

173 [LAC 33:III.5109.A]

Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Compliance with the requirements of 40 CFR 63 Subpart XX for wastes is determined as MACT.

**EQT 0721 T-3067 - JD-06 WATER DRAWOFF DRUM**

174 [40 CFR 61.342(c)(3)]

Tank: For each tank into which benzene-containing waste with a flow-weighted annual average benzene concentration  $\geq 10$  ppmw is placed, the wastestream must be included on the BRCP facilitywide 2.0 Mg exemption list. [40 CFR 61.342(c)(3)]

175 [40 CFR 61.342(c)(3)]

For waste streams that are exempted from the control requirements and included in the site-wide 2.0 Mg total, demonstrate at least once per year that the site-wide exempted total does not exceed 2.0 Mg. [40 CFR 61.342(c)(3)]

176 [40 CFR 61.356]

Equipment/operational data recordkeeping by electronic or hard copy continuously Maintain records as specified in 40 CFR 61.356(a) through (n). Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF.

177 [40 CFR 61.357(d)(3)]

Submit a report annually that includes each waste stream chosen for exemption and the total annual benzene quantity in these exempted streams. [40 CFR 61.357(d)(3)]

178 [40 CFR 63.1095(b)]

Comply with the requirements of 40 CFR 61 Subpart FF, except as specified in 40 CFR 63 Subpart XX Table 2. Subpart XX. [40 CFR 63.1095(b)]

179 [LAC 33:III.5109.A]

Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Compliance with the requirements of 40 CFR 63 Subpart XX for wastes is determined as MACT.

**EQT 0722 T-3068 - LD-06 WATER DRAWOFF DRUM**

180 [40 CFR 61.342(c)(3)]

Tank: For each tank into which benzene-containing waste with a flow-weighted annual average benzene concentration  $\geq 10$  ppmw is placed, the wastestream must be included on the BRCP facilitywide 2.0 Mg exemption list. [40 CFR 61.342(c)(3)]

181 [40 CFR 61.342(c)(3)]

For waste streams that are exempted from the control requirements and included in the site-wide 2.0 Mg total, demonstrate at least once per year that the site-wide exempted total does not exceed 2.0 Mg. [40 CFR 61.342(c)(3)]

182 [40 CFR 61.356]

Equipment/operational data recordkeeping by electronic or hard copy continuously Maintain records as specified in 40 CFR 61.356(a) through (n). Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF.

**SPECIFIC REQUIREMENTS**

**AI ID: 286 - ExxonMobil Baton Rouge Chemical Plant**  
**Activity Number: PER20090019**  
**Permit Number: 2031-V8**  
**Air - Title V Regular Permit Major Mod**

**EQT 0722 T-3068 - LD-06 WATER DRAWOFF DRUM**

- 183 [40 CFR 61.357(d)(3)] Submit a report annually that includes each waste stream chosen for exemption and the total annual benzene quantity in these exempted streams. [40 CFR 61.357(d)(3)]
- 184 [40 CFR 63.1095(b)] Comply with the requirements of 40 CFR 61 Subpart FF, except as specified in 40 CFR 63 Subpart XX Table 2. Subpart XX. [40 CFR 63.1095(b)]
- 185 [LAC 33:III.5109.A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Compliance with the requirements of 40 CFR 63 Subpart XX for wastes is determined as MACT.

**EQT 0723 T-3069 - KD-10 CAUSTIC WATER DRUM (MKD-10)**

- 186 [40 CFR 61.342(c)(3)] For waste streams that are exempted from the control requirements and included in the site-wide 2.0 Mg total, demonstrate at least once per year that the site-wide exempted total does not exceed 2.0 Mg. [40 CFR 61.342(c)(3)]
- 187 [40 CFR 61.342(c)(3)] Tank: For each tank into which benzene-containing waste with a flow-weighted annual average benzene concentration  $\geq 10$  ppmw is placed, the wastestream must be included on the BRCP facilitywide 2.0 Mg exemption list. [40 CFR 61.342(c)(3)]
- 188 [40 CFR 61.356] Equipment/operational data recordkeeping by electronic or hard copy continuously Maintain records as specified in 40 CFR 61.356(a) through (n). Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF.
- 189 [40 CFR 61.357(d)(3)] Submit a report annually that includes each waste stream chosen for exemption and the total annual benzene quantity in these exempted streams. [40 CFR 61.357(d)(3)]
- 190 [40 CFR 63.1095(b)] Comply with the requirements of 40 CFR 61 Subpart FF, except as specified in 40 CFR 63 Subpart XX Table 2. Subpart XX. [40 CFR 63.1095(b)]
- 191 [LAC 33:III.5109.A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Compliance with the requirements of 40 CFR 63 Subpart XX for wastes is determined as MACT.

**EQT 0724 T-3092 - MAINTRAIN COMPRESSOR WHEEL WASH DRUM**

- 192 [LAC 33:III.5109.A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Compliance with the requirements of 40 CFR 63 Subpart YY for storage vessels is determined as MACT.

**EQT 0726 T-411, N - NGLs / NAPHTHAS / RAFFINATE / KEROSENES / REFORMER FEEDS AND PRODUCTS TANK**

- 193 [40 CFR 63.1103(e)] Comply with 40 CFR 63.982(d) by routing the HAPs to a fuel gas system. Subpart YY. [40 CFR 63.1103(e)]
- 194 [LAC 33:III.2103.E.1] VOC, Total  $\geq 95$  % control efficiency using a vapor loss control system. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year.  
Which Months: All Year Statistical Basis: None specified
- 195 [LAC 33:III.2103.H.3] Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e.
- 196 [LAC 33:III.2103.I] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.

**SPECIFIC REQUIREMENTS**

**AI ID: 286 - ExxonMobil Baton Rouge Chemical Plant**  
**Activity Number: PER20090019**  
**Permit Number: 2031-V8**  
**Air - Title V Regular Permit Major Mod**

**EQT 0726 T-411, N - NGLs / NAPHTHAS / RAFFINATE / KEROSENES / REFORMER FEEDS AND PRODUCTS TANK**

197 [LAC 33:III.5109.A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Compliance with the requirements of 40 CFR 63 Subpart YY for storage vessels is determined as MACT.

**EQT 0727 T-412, N - NGLs / NAPHTHAS / RAFFINATE / KEROSENES / REFORMER FEEDS AND PRODUCTS TANK**

198 [40 CFR 63.1103(e)] Comply with 40 CFR 63.982(d) by routing the HAPs to a fuel gas system. Subpart YY. [40 CFR 63.1103(e)]  
 199 [LAC 33:III.2103.E.1] VOC, Total >= 95 % control efficiency using a vapor loss control system. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year.  
 200 [LAC 33:III.2103.H.3] Which Months: All Year Statistical Basis: None specified  
 201 [LAC 33:III.2103.I] Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e.  
 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.  
 202 [LAC 33:III.5109.A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Compliance with the requirements of 40 CFR 63 Subpart YY for storage vessels is determined as MACT.

**EQT 0728 T-416, N - NGLs / NAPHTHA / RAFFINATE / KEROSENE / REFORMER FEED & PRODUCTS / XYLENES TANK**

203 [40 CFR 63.1103(e)] Comply with 40 CFR 63.982(d) by routing the HAPs to a fuel gas system. Subpart YY. [40 CFR 63.1103(e)]  
 204 [LAC 33:III.2103.E.1] VOC, Total >= 95 % control efficiency using a vapor loss control system. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year.  
 Which Months: All Year Statistical Basis: None specified  
 205 [LAC 33:III.2103.H.3] Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e.  
 206 [LAC 33:III.2103.I] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.  
 207 [LAC 33:III.5109.A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Compliance with the requirements of 40 CFR 63 Subpart YY for storage vessels is determined as MACT.

**EQT 0729 T-665 - SULFIDIC CAUSTIC STORAGE TANK**

208 [40 CFR 61.343(a)(1)(A)] Fixed roof: Ensure that the cover and all openings are designed to operate with no detectable emissions as indicated by an instrument reading less than 500 ppmv above background, as determined initially and thereafter at least once per year by the methods specified in 40 CFR 61.355(h). Subpart FF. [40 CFR 61.343(a)(1)(A)]  
 209 [40 CFR 61.343(c)] Fixed-roof: Equipment/operational data monitored by visual inspection/determination once initially and once every quarter thereafter to ensure that no cracks or gaps occur and that access doors and other openings are closed and gasketed properly. Subpart FF. [40 CFR 61.343(c)]  
 Which Months: All Year Statistical Basis: None specified  
 210 [40 CFR 61.343(d)] Make first efforts at repair as soon as practicable, but not later than 45 calendar days after a broken seal or gasket or other problem is identified, or when detectable emissions are measured, except as provided in 40 CFR 61.350. Subpart FF. [40 CFR 61.343(d)]

**SPECIFIC REQUIREMENTS**

**AI ID: 286 - ExxonMobil Baton Rouge Chemical Plant**  
**Activity Number: PER20090019**  
**Permit Number: 2031-V8**  
**Air - Title V Regular Permit Major Mod**

**EQT 0729 T-665 - SULFIDIC CAUSTIC STORAGE TANK**

- 211 [40 CFR 61.349(a)(1)(i)] Closed-vent system: Operate with no detectable emissions as indicated by an instrument reading of less than 500 ppmw above background, as determined initially and thereafter at least once per year by the methods specified in 40 CFR 61.355(h). Subpart FF. [40 CFR 61.349(a)(1)(i)]
- 212 [40 CFR 61.349(f)] Equipment/operational data monitored by visual inspection/determination once initially and once every quarter thereafter. Include inspection of ductwork and piping and connections to covers and control devices for evidence of visible defects such as holes in ductwork or piping and loose connections. Subpart FF. [40 CFR 61.349(f)]
- 213 [40 CFR 61.349(g)] Which Months: All Year Statistical Basis: None specified  
 Make a first effort to repair the closed-vent system and control device as soon as practicable but no later than 5 calendar days after visible defects are observed during an inspection, or if other problems are identified, or if detectable emissions are measured, except as provided in 40 CFR 61.350. Complete repair no later than 15 calendar days after the emissions are detected or the visible defect is observed. Subpart FF. [40 CFR 61.349(g)]
- 214 [40 CFR 61.354(d)(1)] Closed-vent system (bypass line): Seal or closure mechanism monitored by visual inspection/determination monthly. Check the position of the valve and the condition of the car-seal or closure mechanism required under 40 CFR 61.349(a)(1)(ii) to ensure that the valve is maintained in the closed position and the vent stream is not diverted through the bypass line. Subpart FF. [40 CFR 61.354(d)(1)]
- 215 [40 CFR 61.356] Which Months: All Year Statistical Basis: None specified  
 Equipment/operational data recordkeeping by electronic or hard copy continuously Maintain records as specified in 40 CFR 61.356(a) through (n). Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF.
- 216 [40 CFR 61.357(d)(6)] Submit report: Due quarterly, beginning three months after the date that the equipment necessary to comply with 40 CFR 61 Subpart FF has been certified in accordance with 40 CFR 61.357(d)(1). Submit a certification that all of the required inspections have been carried out in accordance with the requirements of 40 CFR 61 Subpart FF. Subpart FF. [40 CFR 61.357(d)(6)]
- 217 [40 CFR 61.357(d)(7)] Submit report: Due quarterly, beginning three months after the date that the equipment necessary to comply with 40 CFR 61 Subpart FF has been certified in accordance with 40 CFR 61.357(d)(1). Include the information specified in 40 CFR 61.357(d)(7)(i) through (d)(7)(v). Subpart FF. [40 CFR 61.357(d)(7)]
- 218 [40 CFR 61.357(d)(8)] Submit report: Due annually, beginning one year after the date that the equipment necessary to comply with 40 CFR 61 Subpart FF has been certified in accordance with 40 CFR 61.357(d)(1). Submit a report that summarizes all inspections required by 40 CFR 61.342 through 61.354 during which detectable emissions are measured or a problem that could result in benzene emissions is identified, including information about the repairs or corrective action taken. Subpart FF. [40 CFR 61.357(d)(8)]
- 219 [40 CFR 63.1095(b)] Comply with the requirements of 40 CFR 61 Subpart FF, except as specified in 40 CFR 63 Subpart XX Table 2. Subpart XX. [40 CFR 63.1095(b)]
- 220 [40 CFR 63.1115(109.A)] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Based on low concentration of TAPs, no control is determined as MACT. Tank is downstream of treatment subject to the requirements of 63 Subpart XX.

**EQT 0730 T-771, N - NGLs / NAPHTHAS / RAFFINATE / KEROSENES / REFORMER FEEDS AND PRODUCTS TANK**

**SPECIFIC REQUIREMENTS**

**AI ID: 286 - ExxonMobil Baton Rouge Chemical Plant**  
**Activity Number: PER20090019**  
**Permit Number: 2031-V8**  
**Air - Title V Regular Permit Major Mod**

**EQT 0730 T-771, N - NGLs / NAPHTHAS / RAFFINATE / KEROSENES / REFORMER FEEDS AND PRODUCTS TANK**

- 221 [40 CFR 63.1103(e)(3)] Organic HAP >= 98 % reduction by weight, or organic HAP or TOC <= 20 ppmv, whichever is less stringent, by venting emissions through a closed-vent system to any combination of control devices as specified in 40 CFR 63.1105. Subpart YY. [40 CFR 63.1103(e)(3)]  
 Which Months: All Year Statistical Basis: None specified
- 222 [40 CFR 63.1103(e)] Comply with 40 CFR 63.982(d) by routing the HAPs to a fuel gas system. Subpart YY. [40 CFR 63.1103(e)]
- 223 [40 CFR 63.983(a)(3)(ii)] Closed-vent systems (containing bypass lines): Secure the bypass line valve in the non-diverting position with a car-seal or a lock-and-key type configuration. Subpart SS. [40 CFR 63.983(a)(3)(ii)]
- 224 [40 CFR 63.999(c)] Submit Periodic Report: Due as specified in the referencing subpart. Include the applicable information specified in 40 CFR 63.999(c)(1) through (c)(7). Subpart SS. [40 CFR 63.999(c)]
- 225 [LAC 33:III.2103.E.1] VOC, Total >= 95 % control efficiency using a vapor loss control system. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year.  
 Which Months: All Year Statistical Basis: None specified
- 226 [LAC 33:III.2103.H.3] Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e.
- 227 [LAC 33:III.2103.I] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.
- 228 [LAC 33:III.5109.A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Compliance with the requirements of 40 CFR 63 Subpart YY for storage vessels is determined as MACT.

**EQT 0731 T-784 - STEAM CRACKED NAPHTHA TANK (EFR)**

- 229 [40 CFR 63.1063(c)(1)] Tank roof and seals monitored by visual inspection/determination once before initial filling, as specified in 40 CFR 63.1063(d)(1). Subpart WW. [40 CFR 63.1063(c)(1)]  
 Which Months: All Year Statistical Basis: None specified
- 230 [40 CFR 63.1066(b)] Include the information specified in 40 CFR 63.1066(b)(1) through (b)(4) as part of the Periodic Report. Subpart WW. [40 CFR 63.1066(b)]
- 231 [40 CFR 63.1103(e)(3)] Comply with applicable the requirements of 40 CFR 63 Subpart WW. Subpart YY. [40 CFR 63.1103(e)(3)]
- 232 [LAC 33:III.2103.B] Equip with a submerged fill pipe and external floating roof.
- 233 [LAC 33:III.2103.D.2.e] Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2.
- 234 [LAC 33:III.2103.D.2.e] Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs.  
 Which Months: All Year Statistical Basis: None specified
- 235 [LAC 33:III.2103.D.2.e] Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts.
- 236 [LAC 33:III.2103.D.2.e] Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs.  
 Which Months: All Year Statistical Basis: None specified
- 237 [LAC 33:III.2103.D.2.e] Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually.  
 Which Months: All Year Statistical Basis: None specified

**SPECIFIC REQUIREMENTS**

**AI ID: 286 - ExxonMobil Baton Rouge Chemical Plant**

**Activity Number: PER20090019**

**Permit Number: 2031-V8**

**Air - Title V Regular Permit Major Mod**

**EQT 0731 T-784 - STEAM CRACKED NAPHTHA TANK (EFR)**

- 238 [LAC 33:III.2103.D.4.a] Control non-slotted guide poles and stilling wells using pole wipers and gasketing between the well and sliding cover. Control slotted guide poles using a float with wiper, pole wiper, and gasketing between the well and sliding cover.
- 239 [LAC 33:III.2103.D.4.a] Submit notification: Due to the Office of Environmental Assessment, Air Quality Assessment Division, prior to installation of guide poles and stilling well systems. Submit a description of the method of control and supporting calculations based upon the Addendum to American Petroleum Institute Publication Number 2517 Evaporative Loss from External Floating Roof Tanks, May 1994, for approval.
- 240 [LAC 33:III.2103.D.4.d] Equipment/operational data monitored by visual inspection/determination semiannually. Inspect control systems required by LAC 33:III.2103.D.4 for rips, tears, visible gaps in the pole or float wiper, and/or missing sliding cover gaskets.
- 241 [LAC 33:III.2103.D.4.d] Which Months: All Year Statistical Basis: None specified  
Initiate repairs of any rips, tears, visible gaps in the pole or float wiper, and/or missing sliding cover gaskets by ordering appropriate parts within seven working days after defect is identified, to avoid noncompliance with LAC 33:III.2103.D.4. Complete repairs within three months of the ordering of the repair parts.
- 242 [LAC 33:III.2103.D] Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall.
- 243 [LAC 33:III.2103.H.1] Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1.
- 244 [LAC 33:III.2103.I] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.
- 245 [LAC 33:III.5109.A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Compliance with the requirements of 40 CFR 63 Subpart YY for storage vessels is determined as MACT.

**EQT 0764 T-1660 - BUTANES STORAGE SPHERE**

- 246 [40 CFR 63.1103(e)(3)] Organic HAP >= 98 % reduction by weight, or organic HAP or TOC <= 20 ppmv, whichever is less stringent, by venting emissions through a closed-vent system to any combination of control devices as specified in 40 CFR 63.1105. Subpart YY. [40 CFR 63.1103(e)(3)]  
Which Months: All Year Statistical Basis: None specified
- 247 [40 CFR 63.1103(e)] Comply with 40 CFR 63.982(d) by routing the HAPs to a fuel gas system. Subpart YY. [40 CFR 63.1103(e)]
- 248 [40 CFR 63.983(a)(3)(ii)] Closed-vent systems (containing bypass lines): Secure the bypass line valve in the non-diverting position with a car-seal or a lock-and-key type configuration. Subpart SS. [40 CFR 63.983(a)(3)(ii)]
- 249 [40 CFR 63.999(c)] Submit Periodic Report: Due as specified in the referencing subpart. Include the applicable information specified in 40 CFR 63.999(c)(1) through (c)(7). Subpart SS. [40 CFR 63.999(c)]
- 250 [LAC 33:III.2103.E.1] VOC, Total >= 90 % control efficiency using a vapor loss control system. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year.  
Which Months: All Year Statistical Basis: None specified
- 251 [LAC 33:III.2103.H.3] Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e.
- 252 [LAC 33:III.2103.I] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.

**SPECIFIC REQUIREMENTS**

**AI ID: 286 - ExxonMobil Baton Rouge Chemical Plant**  
**Activity Number: PER20090019**  
**Permit Number: 2031-V8**  
**Air - Title V Regular Permit Major Mod**

**EQT 0764 T-1660 - BUTANES STORAGE SPHERE**

253 [LAC 33:III.5109.A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Compliance with the requirements of 40 CFR 63 Subpart YY for storage vessels is determined as MACT.

**EQT 0765 T-1916 - ISOPRENE, BUTADIENE, DILA FEED, AMYLENE, AND BUTENES STORAGE SPHERE**

254 [40 CFR 63.1103(c)(3)] Organic HAP >= 98 % reduction by weight, or organic HAP or TOC <= 20 ppmv, whichever is less stringent, by venting emissions through a closed-vent system to any combination of control devices as specified in 40 CFR 63.1105. Subpart YY. [40 CFR 63.1103(e)(3)]  
 Which Months: All Year Statistical Basis: None specified  
 255 [40 CFR 63.1103(e)] Comply with 40 CFR 63.982(d) by routing the HAP's to a fuel gas system. Subpart YY. [40 CFR 63.1103(e)]  
 256 [40 CFR 63.983(a)(3)(ii)] Closed-vent systems (containing bypass lines): Secure the bypass line valve in the non-diverting position with a car-seal or a lock-and-key type configuration. Subpart SS. [40 CFR 63.983(a)(3)(ii)]  
 257 [40 CFR 63.999(c)] Submit Periodic Report: Due as specified in the referencing subpart. Include the applicable information specified in 40 CFR 63.999(c)(1) through (c)(7). Subpart SS. [40 CFR 63.999(c)]  
 258 [LAC 33:III.2103.E.1] VOC, Total >= 90 % control efficiency using a vapor loss control system. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year.  
 Which Months: All Year Statistical Basis: None specified  
 259 [LAC 33:III.2103.H.3] Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e.  
 260 [LAC 33:III.2103.I] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.  
 261 [LAC 33:III.5109.A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Compliance with the requirements of 40 CFR 63 Subpart YY for storage vessels is determined as MACT.

**EQT 0766 T-3064 - SOUR WATER STRIPPER FEED DRUM(KZD-73)**

262 [40 CFR 61.343(a)(1)(i)(A)] Fixed roof: Ensure that the cover and all openings are designed to operate with no detectable emissions as indicated by an instrument reading less than 500 ppmv above background, as determined initially and thereafter at least once per year by the methods specified in 40 CFR 61.355(h). Subpart FF. [40 CFR 61.343(a)(1)(i)(A)]  
 263 [40 CFR 61.343(c)] Fixed-roof: Equipment/operational data monitored by visual inspection/determination once initially and once every quarter thereafter to ensure that no cracks or gaps occur and that access doors and other openings are closed and gasketed properly. Subpart FF. [40 CFR 61.343(c)]  
 Which Months: All Year Statistical Basis: None specified  
 264 [40 CFR 61.343(d)] Make first efforts at repair as soon as practicable, but not later than 45 calendar days after a broken seal or gasket or other problem is identified, or when detectable emissions are measured, except as provided in 40 CFR 61.350. Subpart FF. [40 CFR 61.343(d)]  
 265 [40 CFR 61.349(a)(1)(i)] Closed-vent system: Operate with no detectable emissions as indicated by an instrument reading of less than 500 ppmv above background, as determined initially and thereafter at least once per year by the methods specified in 40 CFR 61.355(h). Subpart FF. [40 CFR 61.349(a)(1)(i)]

**SPECIFIC REQUIREMENTS**

**AI ID: 286 - ExxonMobil Baton Rouge Chemical Plant**  
**Activity Number: PER20090019**  
**Permit Number: 2031-V8**  
**Air - Title V Regular Permit Major Mod**

**EQT 0766 T-3064 - SOUR WATER STRIPPER FEED DRUM(KZD-73)**

- 266 [40 CFR 61.349(f)] Equipment/operational data monitored by visual inspection/determination once initially and once every quarter thereafter. Include inspection of ductwork and piping and connections to covers and control devices for evidence of visible defects such as holes in ductwork or piping and loose connections. Subpart FF. [40 CFR 61.349(f)]
- 267 [40 CFR 61.349(g)] Which Months: All Year Statistical Basis: None specified  
 Make a first effort to repair the closed-vent system and control device as soon as practicable but no later than 5 calendar days after visible defects are observed during an inspection, or if other problems are identified, or if detectable emissions are measured, except as provided in 40 CFR 61.350. Complete repair no later than 15 calendar days after the emissions are detected or the visible defect is observed. Subpart FF. [40 CFR 61.349(g)]
- 268 [40 CFR 61.354(f)(1)] Closed-vent system (bypass line): Seal or closure mechanism monitored by visual inspection/determination monthly. Check the position of the valve and the condition of the car-seal or closure mechanism required under 40 CFR 61.349(a)(1)(ii) to ensure that the valve is maintained in the closed position and the vent stream is not diverted through the bypass line. Subpart FF. [40 CFR 61.354(f)(1)]
- 269 [40 CFR 61.356] Which Months: All Year Statistical Basis: None specified  
 Equipment/operational data recordkeeping by electronic or hard copy continuously Maintain records as specified in 40 CFR 61.356(a) through (n). Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF.  
 Submit report: Due quarterly, beginning three months after the date that the equipment necessary to comply with 40 CFR 61 Subpart FF has been certified in accordance with 40 CFR 61.357(d)(1). Submit a certification that all of the required inspections have been carried out in accordance with the requirements of 40 CFR 61 Subpart FF. Subpart FF. [40 CFR 61.357(d)(6)]
- 271 [40 CFR 61.357(d)(7)] Submit report: Due quarterly, beginning three months after the date that the equipment necessary to comply with 40 CFR 61 Subpart FF has been certified in accordance with 40 CFR 61.357(d)(1). Include the information specified in 40 CFR 61.357(d)(7)(i) through (d)(7)(v). Subpart FF. [40 CFR 61.357(d)(7)]
- 272 [40 CFR 61.357(d)(8)] Submit report: Due annually, beginning one year after the date that the equipment necessary to comply with 40 CFR 61 Subpart FF has been certified in accordance with 40 CFR 61.357(d)(1). Submit a report that summarizes all inspections required by 40 CFR 61.342 through 61.354 during which detectable emissions are measured or a problem that could result in benzene emissions is identified, including information about the repairs or corrective action taken. Subpart FF. [40 CFR 61.357(d)(8)]
- 273 [40 CFR 63.1095(b)] Comply with the requirements of 40 CFR 61 Subpart FF, except as specified in 40 CFR 63 Subpart XX Table 2. Subpart XX. [40 CFR 63.1095(b)]
- 274 [LAC 33-III.2103.B] Equip with a vapor loss control system.
- 275 [LAC 33-III.2103.H.3] Determine VOC maximum true vapor pressure using the methods in LAC 33-III.2103.H.3.a-e.
- 276 [LAC 33-III.2103.I] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33-III.2103.I.1 - 7, as applicable.
- 277 [LAC 33-III.5109.A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Compliance with the requirements of 40 CFR 63 Subpart XX for wastes is determined as MACT.

**EQT 0767 T-3070 - SPENT CAUSTIC DRUM (MKD-06)**

**SPECIFIC REQUIREMENTS**

**AI ID: 286 - ExxonMobil Baton Rouge Chemical Plant**  
**Activity Number: PER20090019**  
**Permit Number: 2031-V8**  
**Air - Title V Regular Permit Major Mod**

**EQT 0767 T-3070 - SPENT CAUSTIC DRUM (MKD-06)**

- 278 [40 CFR 61.343(a)(1)(i)(A)] Fixed roof: Ensure that the cover and all openings are designed to operate with no detectable emissions as indicated by an instrument reading less than 500 ppmv above background, as determined initially and thereafter at least once per year by the methods specified in 40 CFR 61.355(h). Subpart FF. [40 CFR 61.343(a)(1)(i)(A)]
- 279 [40 CFR 61.343(c)] Fixed-roof: Equipment/operational data monitored by visual inspection/determination once initially and once every quarter thereafter to ensure that no cracks or gaps occur and that access doors and other openings are closed and gasketed properly. Subpart FF. [40 CFR 61.343(c)]  
 Which Months: All Year Statistical Basis: None specified
- 280 [40 CFR 61.343(d)] Make first efforts at repair as soon as practicable, but not later than 45 calendar days after a broken seal or gasket or other problem is identified, or when detectable emissions are measured, except as provided in 40 CFR 61.350. Subpart FF. [40 CFR 61.343(d)]
- 281 [40 CFR 61.349(a)(1)(i)] Closed-vent system: Operate with no detectable emissions as indicated by an instrument reading of less than 500 ppmv above background, as determined initially and thereafter at least once per year by the methods specified in 40 CFR 61.355(h). Subpart FF. [40 CFR 61.349(a)(1)(i)]
- 282 [40 CFR 61.349(f)] Equipment/operational data monitored by visual inspection/determination once initially and once every quarter thereafter. Include inspection of ductwork and piping and connections to covers and control devices for evidence of visible defects such as holes in ductwork or piping and loose connections. Subpart FF. [40 CFR 61.349(f)]  
 Which Months: All Year Statistical Basis: None specified
- 283 [40 CFR 61.349(g)] Make a first effort to repair the closed-vent system and control device as soon as practicable but no later than 5 calendar days after visible defects are observed during an inspection, or if other problems are identified, or if detectable emissions are measured, except as provided in 40 CFR 61.350. Complete repair no later than 15 calendar days after the emissions are detected or the visible defect is observed. Subpart FF. [40 CFR 61.349(g)]
- 284 [40 CFR 61.354(f)(1)] Closed-vent system (bypass line): Seal or closure mechanism monitored by visual inspection/determination monthly. Check the position of the valve and the condition of the car-seal or closure mechanism required under 40 CFR 61.349(a)(1)(ii) to ensure that the valve is maintained in the closed position and the vent stream is not diverted through the bypass line. Subpart FF. [40 CFR 61.354(f)(1)]  
 Which Months: All Year Statistical Basis: None specified
- 285 [40 CFR 61.356] Equipment/operational data recordkeeping by electronic or hard copy continuously Maintain records as specified in 40 CFR 61.356(a) through (n). Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF.
- 286 [40 CFR 61.357(d)(6)] Submit report: Due quarterly, beginning three months after the date that the equipment necessary to comply with 40 CFR 61 Subpart FF has been certified in accordance with 40 CFR 61.357(d)(1). Submit a certification that all of the required inspections have been carried out in accordance with the requirements of 40 CFR 61 Subpart FF. Subpart FF. [40 CFR 61.357(d)(6)]
- 287 [40 CFR 61.357(d)(7)] Submit report: Due quarterly, beginning three months after the date that the equipment necessary to comply with 40 CFR 61 Subpart FF has been certified in accordance with 40 CFR 61.357(d)(1). Include the information specified in 40 CFR 61.357(d)(7)(i) through (d)(7)(v). Subpart FF. [40 CFR 61.357(d)(7)]
- 288 [40 CFR 61.357(d)(8)] Submit report: Due annually, beginning one year after the date that the equipment necessary to comply with 40 CFR 61 Subpart FF has been certified in accordance with 40 CFR 61.357(d)(1). Submit a report that summarizes all inspections required by 40 CFR 61.342 through 61.354 during which detectable emissions are measured or a problem that could result in benzene emissions is identified, including information about the repairs or corrective action taken. Subpart FF. [40 CFR 61.357(d)(8)]
- 289 [40 CFR 61.1095(b)] Comply with the requirements of 40 CFR 61 Subpart FF, except as specified in 40 CFR 63 Subpart XX Table 2. Subpart XX. [40 CFR 63.1095(b)]

**SPECIFIC REQUIREMENTS**

**AI ID: 286 - ExxonMobil Baton Rouge Chemical Plant**

**Activity Number: PER20090019**

**Permit Number: 2031-V8**

**Air - Title V Regular Permit Major Mod**

**EQT 0767 T-3070 - SPENT CAUSTIC DRUM (MKD-06)**

290 [40 CFR 61.333(h)(9)(A)] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Compliance with the requirements of 40 CFR 63 Subpart XX for wastes is determined as MACT.

**EQT 0768 T-3085 - WATER KNOCK-OUT DRUM (UPDR-107)**

- 291 [40 CFR 61.343(a)(1)(A)] Fixed roof: Ensure that the cover and all openings are designed to operate with no detectable emissions as indicated by an instrument reading less than 500 ppmv above background, as determined initially and thereafter at least once per year by the methods specified in 40 CFR 61.355(h). Subpart FF. [40 CFR 61.343(a)(1)(A)]
- 292 [40 CFR 61.343(c)] Fixed-roof: Equipment/operational data monitored by visual inspection/determination once initially and once every quarter thereafter to ensure that no cracks or gaps occur and that access doors and other openings are closed and gasketed properly. Subpart FF. [40 CFR 61.343(c)]  
Which Months: All Year Statistical Basis: None specified
- 293 [40 CFR 61.343(d)] Make first efforts at repair as soon as practicable, but not later than 45 calendar days after a broken seal or gasket or other problem is identified, or when detectable emissions are measured, except as provided in 40 CFR 61.350. Subpart FF. [40 CFR 61.343(d)]
- 294 [40 CFR 61.349(a)(1)(i)] Closed-vent system: Operate with no detectable emissions as indicated by an instrument reading of less than 500 ppmv above background, as determined initially and thereafter at least once per year by the methods specified in 40 CFR 61.355(h). Subpart FF. [40 CFR 61.349(a)(1)(i)]
- 295 [40 CFR 61.349(f)] Equipment/operational data monitored by visual inspection/determination once initially and once every quarter thereafter. Include inspection of ductwork and piping and connections to covers and control devices for evidence of visible defects such as holes in ductwork or piping and loose connections. Subpart FF. [40 CFR 61.349(f)]  
Which Months: All Year Statistical Basis: None specified
- 296 [40 CFR 61.349(g)] Make a first effort to repair the closed-vent system and control device as soon as practicable but no later than 5 calendar days after visible defects are observed during an inspection, or if other problems are identified, or if detectable emissions are measured, except as provided in 40 CFR 61.350. Complete repair no later than 15 calendar days after the emissions are detected or the visible defect is observed. Subpart FF. [40 CFR 61.349(g)]
- 297 [40 CFR 61.354(f)(1)] Closed-vent system (bypass line): Seal or closure mechanism monitored by visual inspection/determination monthly. Check the position of the valve and the condition of the car-seal or closure mechanism required under 40 CFR 61.349(a)(1)(i) to ensure that the valve is maintained in the closed position and the vent stream is not diverted through the bypass line. Subpart FF. [40 CFR 61.354(f)(1)]  
Which Months: All Year Statistical Basis: None specified
- 298 [40 CFR 61.356] Equipment/operational data recordkeeping by electronic or hard copy continuously Maintain records as specified in 40 CFR 61.356(a) through (n). Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF.
- 299 [40 CFR 61.357(d)(6)] Submit report: Due quarterly, beginning three months after the date that the equipment necessary to comply with 40 CFR 61 Subpart FF has been certified in accordance with 40 CFR 61.357(d)(1). Submit a certification that all of the required inspections have been carried out in accordance with the requirements of 40 CFR 61 Subpart FF. Subpart FF. [40 CFR 61.357(d)(6)]
- 300 [40 CFR 61.357(d)(7)] Submit report: Due quarterly, beginning three months after the date that the equipment necessary to comply with 40 CFR 61 Subpart FF has been certified in accordance with 40 CFR 61.357(d)(1). Include the information specified in 40 CFR 61.357(d)(7)(i) through (d)(7)(v). Subpart FF. [40 CFR 61.357(d)(7)]

**SPECIFIC REQUIREMENTS**

**AI ID: 286 - ExxonMobil Baton Rouge Chemical Plant**  
**Activity Number: PER20090019**  
**Permit Number: 2031-V8**  
**Air - Title V Regular Permit Major Mod**

**EQT 0768 T-3085 - WATER KNOCK-OUT DRUM (UPDR-107)**

- 301 [40 CFR 61.357(d)(8)] Submit report: Due annually, beginning one year after the date that the equipment necessary to comply with 40 CFR 61 Subpart FF has been certified in accordance with 40 CFR 61.357(d)(1). Submit a report that summarizes all inspections required by 40 CFR 61.342 through 61.354 during which detectable emissions are measured or a problem that could result in benzene emissions is identified, including information about the repairs or corrective action taken. Subpart FF. [40 CFR 61.357(d)(8)]
- 302 [40 CFR 63.1095(b)] Comply with the requirements of 40 CFR 61 Subpart FF, except as specified in 40 CFR 63 Subpart XX Table 2. Subpart XX. [40 CFR 63.1095(b)]
- 303 [LAC 33:III.2103.B] Equip with a vapor loss control system.
- 304 [LAC 33:III.2103.H.3] Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e.
- 305 [LAC 33:III.2103.I] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.
- 306 [LAC 33:III.5109.A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Compliance with the requirements of 40 CFR 63 Subpart XX for wastes is determined as MACT.

**EQT 0769 T-90 - T-90 HEAVY NAPHTHA/STEAM CRACKED NAPHTHA/SPLITTER BOTTOMS STORAGE TANK**

- 307 [40 CFR 63.1103(e)] Comply with 40 CFR 63.982(d) by routing the HAPs to a fuel gas system. Subpart YY. [40 CFR 63.1103(e)]
- 308 [LAC 33:III.2103.E.1] VOC, Total >= 95 % control efficiency using a vapor loss control system. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year.  
Which Months: All Year Statistical Basis: None specified
- 309 [LAC 33:III.2103.H.3] Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e.
- 310 [LAC 33:III.2103.I] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.
- 311 [LAC 33:III.5109.A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Compliance with the requirements of 40 CFR 63 Subpart YY for storage vessels is determined as MACT.

**EQT 0834 T-411, A - NGLs / NAPHTHAS / RAFFINATE / KEROSENES / REFORMER FEEDS AND PRODUCTS TANK**

- 312 [40 CFR 63.1063(c)(1)] Tank roof and seals monitored by visual inspection/determination once before initial filling, as specified in 40 CFR 63.1063(d)(1). Subpart WW. [40 CFR 63.1063(c)(1)]  
Which Months: All Year Statistical Basis: None specified
- 313 [40 CFR 63.1066(b)] Include the information specified in 40 CFR 63.1066(b)(1) through (b)(4) as part of the Periodic Report. Subpart WW. [40 CFR 63.1066(b)]
- 314 [40 CFR 63.1103(e)(3)] Comply with applicable the requirements of 40 CFR 63 Subpart WW. Subpart YY. [40 CFR 63.1103(e)(3)]
- 315 [LAC 33:III.2103.B] Equip with a submerged fill pipe and internal floating roof.
- 316 [LAC 33:III.2103.H.3] Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e.
- 317 [LAC 33:III.2103.I] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.

**SPECIFIC REQUIREMENTS**

**AI ID: 286 - ExxonMobil Baton Rouge Chemical Plant**  
**Activity Number: PER20090019**  
**Permit Number: 2031-V8**  
**Air - Title V Regular Permit Major Mod**

**EQT 0834 T-411, A - NGLs / NAPHTHAS / RAFFINATE / KEROSENES / REFORMER FEEDS AND PRODUCTS TANK**

318 [LAC 33:III.5109.A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Compliance with the requirements of 40 CFR 63 Subpart YY for storage vessels is determined as MACT.

**EQT 0835 T-412, A - NGLs / NAPHTHAS / RAFFINATE / KEROSENES / REFORMER FEEDS AND PRODUCTS TANK**

319 [40 CFR 63.1063(c)(1)] Tank roof and seals monitored by visual inspection/determination once before initial filling, as specified in 40 CFR 63.1063(d)(1). Subpart WW. [40 CFR 63.1063(c)(1)]  
 Which Months: All Year Statistical Basis: None specified  
 320 [40 CFR 63.1066(b)] Include the information specified in 40 CFR 63.1066(b)(1) through (b)(4) as part of the Periodic Report. Subpart WW. [40 CFR 63.1066(b)]  
 321 [40 CFR 63.1103(e)(3)] Comply with applicable the requirements of 40 CFR 63 Subpart WW. Subpart YY. [40 CFR 63.1103(e)(3)]  
 322 [LAC 33:III.2103.B] Equip with a submerged fill pipe and internal floating roof.  
 323 [LAC 33:III.2103.H.3] Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e.  
 324 [LAC 33:III.2103.I] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.  
 325 [LAC 33:III.5109.A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Compliance with the requirements of 40 CFR 63 Subpart YY for storage vessels is determined as MACT.

**EQT 0836 T-416, A - NGLs / NAPHTHAS / RAFFINATE / KEROSENES / REFORMER FEEDS AND PRODUCTS TANK**

326 [40 CFR 63.1063(c)(1)] Tank roof and seals monitored by visual inspection/determination once before initial filling, as specified in 40 CFR 63.1063(d)(1). Subpart WW. [40 CFR 63.1063(c)(1)]  
 Which Months: All Year Statistical Basis: None specified  
 327 [40 CFR 63.1066(b)] Include the information specified in 40 CFR 63.1066(b)(1) through (b)(4) as part of the Periodic Report. Subpart WW. [40 CFR 63.1066(b)]  
 328 [40 CFR 63.1103(e)(3)] Comply with applicable the requirements of 40 CFR 63 Subpart WW. Subpart YY. [40 CFR 63.1103(e)(3)]  
 329 [LAC 33:III.2103.B] Equip with a submerged fill pipe and internal floating roof.  
 330 [LAC 33:III.2103.H.3] Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e.  
 331 [LAC 33:III.2103.I] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.  
 332 [LAC 33:III.5109.A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Compliance with the requirements of 40 CFR 63 Subpart YY for storage vessels is determined as MACT.

**EQT 0837 T-771, A - NGLs / NAPHTHAS / RAFFINATE / KEROSENES / REFORMER FEEDS AND PRODUCTS TANK**

333 [40 CFR 63.1063(c)(1)] Tank roof and seals monitored by visual inspection/determination once before initial filling, as specified in 40 CFR 63.1063(d)(1). Subpart WW. [40 CFR 63.1063(c)(1)]  
 Which Months: All Year Statistical Basis: None specified

**SPECIFIC REQUIREMENTS**

**AI ID: 286 - ExxonMobil Baton Rouge Chemical Plant**

**Activity Number: PER20090019**

**Permit Number: 2031-V8**

**Air - Title V Regular Permit Major Mod**

**EQT 0837 T-771, A - NGLs / NAPHTHAS / RAFFINATE / KEROSENES / REFORMER FEEDS AND PRODUCTS TANK**

- 334 [40 CFR 63.1066(b)] Include the information specified in 40 CFR 63.1066(b)(1) through (b)(4) as part of the Periodic Report. Subpart WW. [40 CFR 63.1066(b)]
- 335 [40 CFR 63.1103(e)(3)] Comply with applicable the requirements of 40 CFR 63 Subpart WW. Subpart YY. [40 CFR 63.1103(e)(3)]
- 336 [LAC 33:III.2103.B] Equip with a submerged fill pipe and internal floating roof.
- 337 [LAC 33:III.2103.H.3] Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e.
- 338 [LAC 33:III.2103.I] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.
- 339 [LAC 33:III.5109.A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Compliance with the requirements of 40 CFR 63 Subpart YY for storage vessels is determined as MACT.

**EQT 0838 M-01T - C4/C5 LOADING (ACLA AND DILA RACKS)**

- 340 [40 CFR 63.1103(e)(3)] Install process piping designed to collect the HAP-containing vapors displaced from tank trucks or railcars during loading and to route it to a process, a fuel gas system, or a vapor balance system, as specified in 40 CFR 63.1105. Subpart YY. [40 CFR 63.1103(e)(3)]
- 341 [40 CFR 63.1103(e)(3)] Organic HAP >= 98 % reduction by weight, or organic HAP or TOC <= 20 ppmv, whichever is less stringent, by venting emissions through a closed-vent system to any combination of control devices as specified in 40 CFR 63.1105. Subpart YY. [40 CFR 63.1103(e)(3)]
- 342 [40 CFR 63.1105(a)] Which Months: All Year Statistical Basis: None specified
- 343 [40 CFR 63.1105(b)] Equip with one of the control options listed in 40 CFR 63.1105(a)(1) through (a)(4). Subpart YY. [40 CFR 63.1105(a)]
- 344 [40 CFR 63.1105(e)] Operate in such a manner that emissions are routed through the equipment specified in 40 CFR 63.1105(a). Subpart YY. [40 CFR 63.1105(b)]
- 345 [40 CFR 63.1105(g)] Ensure that no pressure relief device in the loading equipment of each tank truck or railcar begins to open to the atmosphere during loading. Subpart YY. [40 CFR 63.1105(e)]
- 346 [40 CFR 63.1105(i)] Load HAP-containing material only to tank trucks or railcars whose collection systems are connected to the transfer rack's closed vent system or process piping. Subpart YY. [40 CFR 63.1105(g)]
- 347 [40 CFR 63.983(a)(3)(i)] Equipment/operational data recordkeeping by electronic or hard copy continuously. Record that the verification of DOT tank certification or 40 CFR 60 Appendix A, Test Method 27 testing required in 40 CFR 63.84(c) has been performed. Subpart YY. [40 CFR 63.1105(i)]
- 348 [40 CFR 63.983(a)(3)(ii)] Closed-vent systems (containing bypass lines): Flow monitored by flow indicator at the regulator's specified frequency. Ensure that the flow indicator is capable of taking periodic readings. Install at the entrance to any bypass line. Subpart SS. [40 CFR 63.983(a)(3)(i)]
- 349 [40 CFR 63.999(c)] Which Months: All Year Statistical Basis: None specified
- 350 [LAC 33:III.2107.B] Closed-vent systems (containing bypass lines): Secure the bypass line valve in the non-diverting position with a car-seal or a lock-and-key type configuration. Subpart SS. [40 CFR 63.983(a)(3)(ii)]
- 351 [LAC 33:III.2107.C] Submit Periodic Report: Due as specified in the referencing subpart. Include the applicable information specified in 40 CFR 63.999(c)(1) through (c)(7). Subpart SS. [40 CFR 63.999(c)]
- VOC, Total >= 90 % DRE, using a vapor disposal system.
- Which Months: All Year Statistical Basis: None specified
- Discontinue loading or unloading through the affected transfer lines when a leak is observed; do not resume loading or unloading until the observed leak is repaired.

**SPECIFIC REQUIREMENTS**

**AI ID: 286 - ExxonMobil Baton Rouge Chemical Plant**

**Activity Number: PER20090019**

**Permit Number: 2031-V8**

**Air - Title V Regular Permit Major Mod**

**EQT 0838 M-01T - C4/C5 LOADING (ACLA AND DILA RACKS)**

352 [LAC 33:III.2107.C]

VOC, Total monitored by visual, audible, and/or olfactory during loading or unloading, to detect leaks.

Which Months: All Year Statistical Basis: None specified

353 [LAC 33:III.2107.D]

Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2107.D.1 and 2.

354 [LAC 33:III.5109.A]

Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Compliance with the requirements of 40 CFR 63 Subpart YY for transfer operations is determined as MACT.

**EQT 0995 S-121 - NACC PORTABLE AIR COMPRESSOR NO. 2**

355 [40 CFR 60.4206]

Operate and maintain stationary CI ICE according to the manufacturer's written instructions or procedures developed by the owner or operator that are approved by the engine manufacturer, over the entire life of the engine. Subpart IIII.

356 [40 CFR 60.4207(b)]

Beginning October 1, 2010, use diesel fuel that meets the requirements of 40 CFR 80.510(b) for nonroad diesel fuel. Subpart IIII. [40 CFR 60.4207(b)]

357 [40 CFR 60.4209(b)]

Pressure monitored by pressure instrument continuously during operation. If the engine is equipped with a diesel particulate filter to comply with the emissions standards in 63.4204, then install a backpressure monitor on the diesel particulate filter that notifies the owner or operator when the high backpressure limit of the engine is approached. Subpart IIII. [40 CFR 60.4209(b)]

Which Months: All Year Statistical Basis: None specified

358 [40 CFR 60.4211(a)]

Operate and maintain the stationary CI internal combustion engine and control device according to the manufacturer's written instructions or procedures developed by the owner or operator that are approved by the engine manufacturer. In addition, only change those settings that are permitted by the manufacturer. Also meet the requirements of 40 CFR 89, 94 and/or 1068, as applicable. Subpart IIII. [40 CFR 60.4211(a)]

359 [40 CFR 60.4211(c)]

Ensure engine is certified to the emission standards in 40 CFR 60.4204(b), or 40 CFR 60.4025(b) or (c), as applicable, for the same model year and maximum (or in the case of fire pumps, NFPA nameplate) engine power. Install and configure according to the manufacturer's specifications. Subpart IIII. [40 CFR 60.4211(c)]

Meet the requirements of 40 CFR 60 Subpart IIII for compression ignition engines. Subpart ZZZZ. [40 CFR 63.6590(c)]

360 [40 CFR 63.6590(c)]

Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

361 [LAC 33:III.1101.B]

Which Months: All Year Statistical Basis: None specified

362 [LAC 33:III.1311.C]

Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: Six-minute average

**EQT 0996 S-122 - NACC PORTABLE AIR COMPRESSOR NO. 3**

363 [40 CFR 60.4206]

Operate and maintain stationary CI ICE according to the manufacturer's written instructions or procedures developed by the owner or operator that are approved by the engine manufacturer, over the entire life of the engine. Subpart IIII.

**SPECIFIC REQUIREMENTS**

**AI ID: 286 - ExxonMobil Baton Rouge Chemical Plant**  
**Activity Number: PER20090019**  
**Permit Number: 2031-V8**  
**Air - Title V Regular Permit Major Mod**

**EQT 0996 S-122 - NACC PORTABLE AIR COMPRESSOR NO. 3**

- 364 [40 CFR 60.4207(b)] Beginning October 1, 2010, use diesel fuel that meets the requirements of 40 CFR 80.510(b) for nonroad diesel fuel. Subpart IIII. [40 CFR 60.4207(b)]
- 365 [40 CFR 60.4209(b)] Pressure monitored by pressure instrument continuously during operation. If the engine is equipped with a diesel particulate filter to comply with the emissions standards in 63.4204, then install a backpressure monitor on the diesel particulate filter that notifies the owner or operator when the high backpressure limit of the engine is approached. Subpart IIII. [40 CFR 60.4209(b)]
- 366 [40 CFR 60.4211(a)] Which Months: All Year Statistical Basis: None specified  
Operate and maintain the stationary CI internal combustion engine and control device according to the manufacturer's written instructions or procedures developed by the owner or operator that are approved by the engine manufacturer. In addition, only change those settings that are permitted by the manufacturer. Also meet the requirements of 40 CFR 89, 94 and/or 1068, as applicable. Subpart IIII. [40 CFR 60.4211(a)]
- 367 [40 CFR 60.4211(c)] Ensure engine is certified to the emission standards in 40 CFR 60.4204(b), or 40 CFR 60.4025(b) or (c), as applicable, for the same model year and maximum (or in the case of fire pumps, NFPA nameplate) engine power. Install and configure according to the manufacturer's specifications. Subpart IIII. [40 CFR 60.4211(c)]
- 368 [40 CFR 63.6590(c)] Meet the requirements of 40 CFR 60 Subpart IIII for compression ignition engines. Subpart ZZZZ. [40 CFR 63.6590(c)]
- 369 [LAC 33:III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
- 370 [LAC 33:III.1311.C] Which Months: All Year Statistical Basis: None specified  
Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.  
Which Months: All Year Statistical Basis: Six-minute average

**FUG 0046 U-110 - MAINTRAIN FUGITIVE EMISSIONS**

- 371 [40 CFR 60.Subpart J] Comply with 40 CFR 63 Subpart UU as referenced by 40 CFR 63 Subpart YY in accordance with streamlined LDAR fugitives monitoring program defined in Appendix A.
- 372 [40 CFR 60.Subpart VV] Comply with 40 CFR 63 Subpart UU as referenced by 40 CFR 63 Subpart YY in accordance with streamlined LDAR fugitives monitoring program defined in Appendix A.
- 373 [40 CFR 60.Subpart V] Comply with 40 CFR 63 Subpart UU as referenced by 40 CFR 63 Subpart YY in accordance with streamlined LDAR fugitives monitoring program defined in Appendix A.
- 374 [40 CFR 63.1022(c)(3)] Unsafe- and difficult-to-monitor equipment: Equipment/operational data recordkeeping by electronic or hard copy once initially and upon change or revision. Record the identity of equipment designated as unsafe-to-monitor according to the provisions of 40 CFR 63.1022(c)(1) and the planned schedule for monitoring this equipment. Also record the identity of equipment designated as difficult-to-monitor according to the provisions of 40 CFR 63.1022(c)(2), the planned schedule for monitoring this equipment, and an explanation why the equipment is unsafe or difficult-to-monitor. Keep this record at the plant and make available for review by an inspector. Subpart UU. [40 CFR 63.1022(c)(3)]

**SPECIFIC REQUIREMENTS**

**AI ID: 286 - ExxonMobil Baton Rouge Chemical Plant**

**Activity Number: PER20090019**

**Permit Number: 2031-V8**

**Air - Title V Regular Permit Major Mod**

**FUG 0046 U-110 - MAINTRAIN FUGITIVE EMISSIONS**

- 375 [40 CFR 63.1022(c)(4)(i)] Unsafe-to-monitor equipment: Have a written plan that requires monitoring of the equipment as frequently as practical during safe-to-monitor times, but not more frequently than the periodic monitoring schedule otherwise applicable, and repair of the equipment according to the procedures in 40 CFR 63.1024 if a leak is detected. Comply with this requirement in lieu of the requirements in 40 CFR 63.1025(b) and (d)(2) for valves, 40 CFR 63.1026(b) and the monitoring and inspection requirements of 40 CFR 63.1026(e)(1)(v) through (viii) for pumps, 40 CFR 63.1027(a) and (b) for connectors, and 40 CFR 63.1028(c) for agitators. Subpart UU. [40 CFR 63.1022(c)(4)(i)]
- 376 [40 CFR 63.1022(c)(4)(ii)] Difficult-to-monitor equipment: Have a written plan that requires monitoring of the equipment at least once per calendar year and repair of the equipment according to the procedures in 40 CFR 63.1024 if a leak is detected. Comply with this requirement in lieu of the requirements in 40 CFR 63.1025(b) for valves, and 40 CFR 63.1028(c) for agitators. Subpart UU. [40 CFR 63.1022(c)(4)(ii)]
- 377 [40 CFR 63.1022(d)(2)] Connectors (unsafe-to-repair): Equipment/operational data recordkeeping by electronic or hard copy once initially and upon change or revision. Record the identity of connectors designated as unsafe-to-repair and an explanation of why the connectors are unsafe-to-repair. Subpart UU. [40 CFR 63.1022(d)(2)]
- 378 [40 CFR 63.1022(f)] Equipment in heavy liquid service: Retain information, data, and analyses used to determine that a piece of equipment is in heavy liquid service; or, when requested by DEQ, demonstrate that the piece of equipment or process is in heavy liquid service. Subpart UU. [40 CFR 63.1022(f)]
- 379 [40 CFR 63.1022] Identify equipment subject to 40 CFR 63 Subpart UU as specified in 40 CFR 63.1022(a) through (f), as applicable. Subpart UU.
- 380 [40 CFR 63.1023(e)(1)] Attach a weatherproof and readily visible identification to leaking equipment, when a leak is detected pursuant to the monitoring specified in 40 CFR 63.1023(a). Subpart UU. [40 CFR 63.1023(e)(1)]
- 381 [40 CFR 63.1023(c)(2)] Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of a leak. Record the information specified in 40 CFR 63.1024(f) when a leak is detected. Keep the records pursuant to the referencing subpart, except keep information for connectors complying with the 8 year monitoring period allowed under 40 CFR 63.1027(b)(3)(iii) for 5 years beyond the date of its last use. Subpart UU. [40 CFR 63.1023(e)(2)]
- 382 [40 CFR 63.1024(a)] Repair each leak detected as soon as practical, but not later than 15 calendar days after it is detected, except as specified in 40 CFR 63.1024(d) and (e). Make a first attempt at repair no later than 5 calendar days after the leak is detected. Subpart UU. [40 CFR 63.1024(a)]
- 383 [40 CFR 63.1024(d)] Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of delay of repair of a leak. Maintain a record of the facts that explain any delay of repairs and, where appropriate, why the repair was technically infeasible without a process unit shutdown. Subpart UU. [40 CFR 63.1024(d)]
- 384 [40 CFR 63.1025(b)(3)(i)] Valves in gas/vapor service and light liquid service (the greater of 2 valves or 2% leaking): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 monthly to detect leaks. If a reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.1025(d). Subpart UU. [40 CFR 63.1025(b)(3)(i)]  
Which Months: All Year Statistical Basis: None specified
- 385 [40 CFR 63.1025(b)(3)(ii)] Valves in gas/vapor service and light liquid service (less than the greater of 2 valves or 2% leaking): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 quarterly to detect leaks, except as specified in 40 CFR 63.1025(b)(3)(iii) through (b)(3)(v). If a reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.1025(d). Subpart UU. [40 CFR 63.1025(b)(3)(ii)]  
Which Months: All Year Statistical Basis: None specified

**SPECIFIC REQUIREMENTS**

**AI ID: 286 - ExxonMobil Baton Rouge Chemical Plant**  
**Activity Number: PER20090019**  
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**Air - Title V Regular Permit Major Mod**

**FUG 0046 U-110 - MAINTRAIN FUGITIVE EMISSIONS**

- 386 [40 CFR 63.1025(b)(3)(iii)] Valves in gas/vapor service and light liquid service (less than 1% leaking): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 semiannually to detect leaks. If a reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.1025(d). Alternative to quarterly monitoring in 40 CFR 63.1025(b)(3)(ii). Subpart UU. [40 CFR 63.1025(b)(3)(iii)]  
 Which Months: All Year Statistical Basis: None specified
- 387 [40 CFR 63.1025(b)(3)(iv)] Valves in gas/vapor service and light liquid service (less than 0.5% leaking): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 annually to detect leaks. If a reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.1025(d). Alternative to quarterly monitoring in 40 CFR 63.1025(b)(3)(ii). Subpart UU. [40 CFR 63.1025(b)(3)(iv)]  
 Which Months: All Year Statistical Basis: None specified
- 388 [40 CFR 63.1025(b)(3)(v)] Valves in gas/vapor service and light liquid service (less than 0.25% leaking): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once every two years to detect leaks. If a reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.1025(d). Alternative to quarterly monitoring in 40 CFR 63.1025(b)(3)(ii). Subpart UU. [40 CFR 63.1025(b)(3)(v)]  
 Which Months: All Year Statistical Basis: None specified
- 389 [40 CFR 63.1025(b)(3)(vi)] Valves in gas/vapor service and light liquid service: Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Keep a record of the monitoring schedule for each process unit. Subpart UU. [40 CFR 63.1025(b)(3)(vi)]
- 390 [40 CFR 63.1025(c)(1)(ii)] Valves in gas/vapor service and light liquid service: Calculate the percent leaking valves for each monitoring period for each process unit or valve subgroup using the equation in 40 CFR 63.1025(c)(1)(ii). Subpart UU. [40 CFR 63.1025(c)(1)(ii)]
- 391 [40 CFR 63.1025(d)(2)] Valves in gas/vapor service and light liquid service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 within three months after repair of a leak to determine whether the valve has resumed leaking. Subpart UU. [40 CFR 63.1025(d)(2)]  
 Which Months: All Year Statistical Basis: None specified
- 392 [40 CFR 63.1025(e)(1)] Valves in gas/vapor service and light liquid service (unsafe-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency to detect leaks. Monitor as frequently as practical during safe-to-monitor times, but not more frequently than the periodic monitoring schedule otherwise applicable. If a reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.1024. Comply with this requirement in lieu of the requirements in 40 CFR 63.1025(b) and (d)(2). Subpart UU. [40 CFR 63.1025(e)(1)]  
 Which Months: All Year Statistical Basis: None specified
- 393 [40 CFR 63.1025(e)(2)] Valves in gas/vapor service and light liquid service (difficult-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 annually to detect leaks. Monitor at least once per calendar year. If a reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.1024. Comply with this requirement in lieu of the requirements in 40 CFR 63.1025(b) and (d)(2). Subpart UU. [40 CFR 63.1025(e)(2)]  
 Which Months: All Year Statistical Basis: None specified
- 394 [40 CFR 63.1025(e)(3)] Valves in gas/vapor service and light liquid service (fewer than 250 valves): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 quarterly to detect leaks. If a reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.1024. Comply with this requirement in lieu of the monthly monitoring specified in 40 CFR 63.1025(b)(3)(i). Subpart UU. [40 CFR 63.1025(e)(3)]  
 Which Months: All Year Statistical Basis: None specified

**SPECIFIC REQUIREMENTS**

**AI ID: 286 - ExxonMobil Baton Rouge Chemical Plant**  
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**FUG 0046 U-110 - MAINTRAIN FUGITIVE EMISSIONS**

- 395 [40 CFR 63.1026(b)(4)] Pumps in light liquid service: Presence of a leak monitored by visual inspection/determination weekly (calendar). Monitor for indications of liquids dripping from the pump seal. If there are indications of liquids dripping from the pump seal, follow the procedure specified in 40 CFR 63.1026(b)(4)(i) or (b)(4)(ii). Subpart UU. [40 CFR 63.1026(b)(4)]  
 Which Months: All Year Statistical Basis: None specified
- 396 [40 CFR 63.1026(b)(4)] Pumps in light liquid service: Inspection records recordkeeping by electronic or hard copy weekly. Document that the leak inspection was conducted and the date of the inspection. Subpart UU. [40 CFR 63.1026(b)(4)]
- 397 [40 CFR 63.1026(b)] Pumps in light liquid service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 monthly to detect leaks. If a reading of 5,000 ppm (pumps handling polymerizing monomers), 2,000 ppm (pumps in food/medical service), or 1,000 ppm (all other pumps) or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.1026(d). Initiate repairs for pumps with a 1,000 ppm leak definition only when an instrument reading of 2,000 ppm or greater is detected. Subpart UU. [40 CFR 63.1026(b)]  
 Which Months: All Year Statistical Basis: None specified
- 398 [40 CFR 63.1026(c)(2)] Pumps in light liquid service: Implement a quality improvement program that complies with 40 CFR 63.1035 if, when calculated on a 6-month rolling average, at least the greater of either 10 percent of the pumps in a process unit or three pumps in a process unit leak. Subpart UU. [40 CFR 63.1026(c)(2)]
- 399 [40 CFR 63.1026(c)(4)] Pumps in light liquid service: Determine percent leaking pumps using the equation specified in 40 CFR 63.1026(c)(4). Subpart UU. [40 CFR 63.1026(c)(4)]
- 400 [40 CFR 63.1026(e)(1)(i)] Pumps in light liquid service (dual mechanical seal system): Equipment/operational data recordkeeping by electronic or hard copy once initially and upon change or revision. Keep records at the plant of the design criteria and an explanation of the design criteria; and any changes to these criteria and the reasons for the changes. Make records available for review by an inspector. Comply with this requirement in lieu of the requirements in 40 CFR 63.1026(b). Subpart UU. [40 CFR 63.1026(e)(1)(i)]
- 401 [40 CFR 63.1026(e)(1)(i)] Pumps in light liquid service (dual mechanical seal system): Determine, based on design considerations and operating experience, criteria applicable to the presence and frequency of drips and to the sensor that indicates failure of the seal system, the barrier fluid system, or both. Comply with this requirement in lieu of the requirements in 40 CFR 63.1026(b). Subpart UU. [40 CFR 63.1026(e)(1)(i)]
- 402 [40 CFR 63.1026(e)(1)(ii)] Pumps in light liquid service (dual mechanical seal system): Operate with the barrier fluid at a pressure that is at all times (except periods of startup, shutdown, or malfunction) greater than the pump stuffing box pressure; or equip with a barrier fluid degassing reservoir that is routed to a process or fuel gas system or connected by a closed-vent system to a control device that complies with the requirements of either 40 CFR 63.1034 or 63.1021(b); or equip with a closed-loop system that purges the barrier fluid into a process stream. Comply with this requirement in lieu of the requirements in 40 CFR 63.1026(b). Subpart UU. [40 CFR 63.1026(e)(1)(ii)]
- 403 [40 CFR 63.1026(e)(1)(iii)] Pumps in light liquid service (dual mechanical seal system): Ensure that the barrier fluid is not in light liquid service. Comply with this requirement in lieu of the requirements in 40 CFR 63.1026(b). Subpart UU. [40 CFR 63.1026(e)(1)(iii)]
- 404 [40 CFR 63.1026(e)(1)(iv)] Pumps in light liquid service (dual mechanical seal system): Equip barrier fluid system with a sensor that will detect failure of the seal system, the barrier fluid system, or both. Comply with this requirement in lieu of the requirements in 40 CFR 63.1026(b). Subpart UU. [40 CFR 63.1026(e)(1)(iv)]
- 405 [40 CFR 63.1026(e)(1)(v)] Pumps in light liquid service (dual mechanical seal system): Inspection records recordkeeping by electronic or hard copy weekly. Document that the leak inspection was conducted and the date of the inspection. Comply with this requirement in lieu of the requirements in 40 CFR 63.1026(b). Subpart UU. [40 CFR 63.1026(e)(1)(v)]

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- 406 [40 CFR 63.1026(e)(1)(v)] Pumps in light liquid service (dual mechanical seal system): Presence of a leak monitored by visual inspection/determination weekly (calendar). Monitor for indications of liquids dripping from the pump seal. If there are indications of liquid dripping from the pump seal, follow the procedure specified in 40 CFR 63.1026(e)(1)(v)(A) or (e)(1)(v)(B) prior to the next required inspection. Comply with this requirement in lieu of the requirements in 40 CFR 63.1026(b). Subpart UU. [40 CFR 63.1026(e)(1)(v)]  
 Which Months: All Year Statistical Basis: None specified
- 407 [40 CFR 63.1026(e)(1)(vii)] Pumps in light liquid service (dual mechanical seal system - sensor): Presence of a leak monitored by visual inspection/determination daily, or equip with an audible alarm unless the pump is located within the boundary of an unmanned plant site. If a leak is detected, initiate repair provisions specified in 40 CFR 63.1024. Comply with this requirement in lieu of the requirements in 40 CFR 63.1026(b). Subpart UU. [40 CFR 63.1026(e)(1)(vii)]  
 Which Months: All Year Statistical Basis: None specified
- 408 [40 CFR 63.1026(e)(4)] Pumps in light liquid service (unmanned plant site): Presence of a leak monitored by visual inspection/determination at the regulation's specified frequency. Monitor as often as practical and at least monthly. Comply with this requirement in lieu of the weekly visual inspection requirement of 40 CFR 63.1026(b)(4) and (e)(1)(v), and the daily requirements of 40 CFR 63.1026(e)(1)(vii). Subpart UU. [40 CFR 63.1026(e)(4)]  
 Which Months: All Year Statistical Basis: None specified
- 409 [40 CFR 63.1026(e)(6)] Pumps in light liquid service (unsafe-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency to detect leaks. Monitor as frequently as practical during safe-to-monitor times, but not more frequently than the periodic monitoring schedule otherwise applicable. If a reading of 5,000 ppm (pumps handling polymerizing monomers), 2,000 ppm (pumps in food/medical service), or 1,000 ppm (all other pumps) or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.1024. Comply with this requirement in lieu of the requirements of 40 CFR 63.1026(b) and the monitoring and inspection requirements of 40 CFR 63.1026(e)(1)(v) through (viii). Subpart UU. [40 CFR 63.1026(e)(6)]  
 Which Months: All Year Statistical Basis: None specified
- 410 [40 CFR 63.1027(a)] Connectors in gas/vapor service and light liquid service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Monitor all connectors in each process unit initially for leaks by the later of either 12 months after the compliance date as specified in a referencing subpart or 12 months after initial startup. If an instrument reading of 500 ppm or greater is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.1027(d). Subpart UU. [40 CFR 63.1027(a)]  
 Which Months: All Year Statistical Basis: None specified
- 411 [40 CFR 63.1027(b)(3)(i)] Connectors in gas/vapor service and light liquid service (0.5% or greater leaking connectors): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Monitor within 12 months after the initial monitoring specified in 40 CFR 63.1027(a). If a reading of 500 ppm is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.1027(d). Subpart UU. [40 CFR 63.1027(b)(3)(i)]  
 Which Months: All Year Statistical Basis: None specified
- 412 [40 CFR 63.1027(b)(3)(ii)] Connectors in gas/vapor service and light liquid service (greater than or equal to 0.25% but less than 0.5% leaking connectors): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Monitor within 4 years after the initial monitoring specified in 40 CFR 63.1027(a). If a reading of 500 ppm is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.1027(d). Subpart UU. [40 CFR 63.1027(b)(3)(ii)]  
 Which Months: All Year Statistical Basis: None specified

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- 413 [40 CFR 63.1027(b)(3)(iii)] Connectors in gas/vapor service and light liquid service (less than 0.25% leaking connectors): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Monitor connectors as specified in 40 CFR 63.1027(b)(3)(iii)(A) and either (b)(3)(iii)(B) or (b)(3)(iii)(C), as appropriate. If a reading of 500 ppm is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.1027(d). Subpart UU. [40 CFR 63.1027(b)(3)(iii)]  
 Which Months: All Year Statistical Basis: None specified
- 414 [40 CFR 63.1027(b)(3)(iv)] Connectors in gas/vapor service and light liquid service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 within 90 days after repair of a connector that is found to be leaking during the monitoring conducted pursuant to 40 CFR 63.1027(b)(3)(i) through (b)(3)(iii), to confirm that it is not leaking. Subpart UU. [40 CFR 63.1027(b)(3)(iv)]  
 Which Months: All Year Statistical Basis: None specified
- 415 [40 CFR 63.1027(b)(3)(v)] Connectors in gas/vapor service and light liquid service: Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Keep a record of the start date and end date of each monitoring period under 40 CFR 63.1027 for each process unit. Subpart UU. [40 CFR 63.1027(b)(3)(v)]
- 416 [40 CFR 63.1027(c)] Connectors in gas/vapor service and light liquid service: Calculate percent leaking connectors using the equation in 40 CFR 63.1027(c). Subpart UU. [40 CFR 63.1027(c)]
- 417 [40 CFR 63.1027(c)(1)] Connectors in gas/vapor service and light liquid service (unsafe-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency to detect leaks. Monitor as frequently as practical during safe-to-monitor times, but not more frequently than the periodic monitoring schedule otherwise applicable. If a reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.1024. Comply with this requirement in lieu of the requirements in 40 CFR 63.1027(a) and (b). Subpart UU. [40 CFR 63.1027(c)(1)]  
 Which Months: All Year Statistical Basis: None specified
- 418 [40 CFR 63.1027(c)(2)(ii)] Connectors in gas/vapor service and light liquid service (inaccessible, ceramic, or ceramic-lined): Eliminate the visual, audible, olfactory, or other indications of a leak to the atmosphere as soon as practical, if connector is observed by visual, audible, olfactory, or other means to be leaking. Comply with this requirement in lieu of the monitoring requirements of 40 CFR 63.1027(a) and (b), and the recordkeeping and reporting requirements of 63.1038 and 63.1039. Subpart UU. [40 CFR 63.1027(c)(2)(ii)]
- 419 [40 CFR 63.1028(c)(1)] Agitators in gas/vapor service and light liquid service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 monthly to detect leaks, except as specified in 40 CFR 63.1021(b), 63.1036, 63.1037, or 63.1028(e). If a reading of 10,000 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.1028(d). Subpart UU. [40 CFR 63.1028(c)(1)]  
 Which Months: All Year Statistical Basis: None specified
- 420 [40 CFR 63.1028(c)(3)] Agitators in gas/vapor service and light liquid service: Inspection records recordkeeping by electronic or hard copy weekly. Document that the leak inspection was conducted and the date of the inspection. Subpart UU. [40 CFR 63.1028(c)(3)]
- 421 [40 CFR 63.1028(c)(3)] Agitators in gas/vapor service and light liquid service: Presence of a leak monitored by visual inspection/determination weekly (calendar) for indications of liquids dripping from the agitator seal. If there are indications of liquids dripping from the agitator seal, follow the procedures specified in 40 CFR 63.1028(c)(3)(i)(A) or (c)(3)(ii)(B) prior to the next required inspection. Subpart UU. [40 CFR 63.1028(c)(3)]  
 Which Months: All Year Statistical Basis: None specified

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- 422 [40 CFR 63.1028(e)(1)(i)] Agitators in gas/vapor service and light liquid service (dual mechanical seal system): Operate with the barrier fluid at a pressure that is at all times (except during periods of startup, shutdown, or malfunction) greater than the agitator stuffing box pressure; or equip with a barrier fluid degassing reservoir that is routed to a process or fuel gas system or connected by a closed-vent system to a control device that meets the requirements of either 40 CFR 63.1034 or 63.1021(b); or equip with a closed-loop system that purges the barrier fluid into a process stream. Comply with this requirement in lieu of the requirements in 40 CFR 63.1028(c). Subpart UU. [40 CFR 63.1028(e)(1)(i)]
- 423 [40 CFR 63.1028(e)(1)(ii)] Agitators in gas/vapor service and light liquid service (dual mechanical seal system): Ensure that the barrier fluid is not in light liquid service. Comply with this requirement in lieu of the requirements in 40 CFR 63.1028(c). Subpart UU. [40 CFR 63.1028(e)(1)(ii)]
- 424 [40 CFR 63.1028(e)(1)(iii)] Agitators in gas/vapor service and light liquid service (dual mechanical seal system): Equip barrier fluid system with a sensor that will detect failure of the seal system, barrier fluid system, or both. Comply with this requirement in lieu of the requirements in 40 CFR 63.1028(c). Subpart UU. [40 CFR 63.1028(e)(1)(iii)]
- 425 [40 CFR 63.1028(e)(1)(iv)] Agitators in gas/vapor service and light liquid service (dual mechanical seal system): Presence of a leak monitored by visual inspection/determination weekly (calendar) for indications of liquids dripping from the agitator seal. If there are indications of liquids dripping from the agitator seal, follow the procedures specified in 40 CFR 63.1028(e)(1)(iv)(A) or (e)(1)(iv)(B) prior to the next required inspection. Comply with this requirement in lieu of the requirements in 40 CFR 63.1028(c). Subpart UU. [40 CFR 63.1028(e)(1)(iv)]  
Which Months: All Year Statistical Basis: None specified
- 426 [40 CFR 63.1028(e)(1)(v)] Agitators in gas/vapor service and light liquid service (dual mechanical seal system - sensor): Presence of a leak monitored by visual inspection/determination daily, or equip with an audible alarm unless the agitator seal is located within the boundary of an unmanned plant site. Comply with this requirement in lieu of the requirements in 40 CFR 63.1028(c). Subpart UU. [40 CFR 63.1028(e)(1)(v)]  
Which Months: All Year Statistical Basis: None specified
- 427 [40 CFR 63.1028(e)(1)(vi)(A)] Agitators in gas/vapor service and light liquid service (dual mechanical seal system): Determine, based on design considerations and operating experience, criteria that indicates failure of the seal system, the barrier fluid system, or both and applicable to the presence and frequency of drips. If indications of liquids dripping from the agitator seal exceed the criteria, or if, based on the criteria the sensor indicates a failure of the seal system, the barrier fluid system, or both, a leak is detected. If a leak is detected, repair pursuant to 40 CFR 63.1024, as applicable. Comply with this requirement in lieu of the requirements in 40 CFR 63.1028(c). Subpart UU. [40 CFR 63.1028(e)(1)(vi)(A)]
- 428 [40 CFR 63.1028(e)(1)(vi)(B)] Agitators in gas/vapor service and light liquid service (dual mechanical seal system): Equipment/operational data recordkeeping by electronic or hard copy once initially and upon change or revision. Keep records of the design criteria and an explanation of the design criteria; and any changes to these criteria and the reasons for the changes. Comply with this requirement in lieu of the requirements in 40 CFR 63.1028(c). Subpart UU. [40 CFR 63.1028(e)(1)(vi)(B)]
- 429 [40 CFR 63.1028(e)(4)] Agitators in gas/vapor service and light liquid service (unmanned plant site): Presence of a leak monitored by visual inspection/determination at the regulation's specified frequency. Monitor each agitator as often as practicable and at least monthly. Comply with this requirement in lieu of the weekly visual inspection requirements of 40 CFR 63.1028(c)(3) and (e)(1)(iv) and the daily requirements of 40 CFR 63.1028(e)(1)(v). Subpart UU. [40 CFR 63.1028(e)(4)]  
Which Months: All Year Statistical Basis: None specified

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- 430 [40 CFR 63.1028(e)(5)] Agitators in gas/vapor service and light liquid service (difficult-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency to detect leaks. Monitor at least once per calendar year. If a reading of 10,000 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.1024. Comply with this requirement in lieu of the requirements in 40 CFR 63.1028(c). Subpart UU. [40 CFR 63.1028(e)(5)]  
 Which Months: All Year Statistical Basis: None specified
- 431 [40 CFR 63.1028(e)(7)] Agitators in gas/vapor service and light liquid service (unsafe-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency to detect leaks. Monitor as frequently as practical during safe-to-monitor times, but not more frequently than the periodic monitoring schedule otherwise applicable. If a reading of 10,000 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.1024. Comply with this requirement in lieu of the requirements in 40 CFR 63.1028(c). Subpart UU. [40 CFR 63.1028(e)(7)]  
 Which Months: All Year Statistical Basis: None specified
- 432 [40 CFR 63.1029(b)] Pumps, valves, connectors, and agitators in heavy liquid service; pressure relief devices in liquid service; and instrumentation systems: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 within 5 days (calendar) after evidence of a potential leak to the atmosphere is found by visual, audible, olfactory, or any other detection method, unless the potential leak is repaired as required in 40 CFR 63.1029(c). If an instrument reading of 10,000 ppm or greater (agitators), 5,000 ppm or greater (pumps handling polymerizing monomers), 2,000 ppm or greater (pumps in food and medical service, and all other pumps), or 500 ppm or greater (valves, connectors, instrumentation systems, and pressure relief devices) is measured, a leak is detected. If a leak is detected, repair pursuant to 40 CFR 63.1024, as applicable. Subpart UU. [40 CFR 63.1029(b)]  
 Which Months: All Year Statistical Basis: None specified
- 433 [40 CFR 63.1030(b)] Pressure relief devices in gas/vapor service: Organic HAP < 500 ppm except during pressure releases as provided for in 40 CFR 63.1030(c), or as otherwise specified in 40 CFR 63.1036, 63.1037, or 63.1030(d) or (e). Subpart UU. [40 CFR 63.1030(b)]  
 Which Months: All Year Statistical Basis: None specified
- 434 [40 CFR 63.1030(c)(1)] Pressure relief devices in gas/vapor service: After each pressure release, return to a condition indicated by an instrument reading of less than 500 ppm, as soon as practicable, but no later than 5 calendar days after each pressure release, except as provided in 40 CFR 63.1024(d). Subpart UU. [40 CFR 63.1030(c)(1)]
- 435 [40 CFR 63.1030(c)(2)] Pressure relief devices in gas/vapor service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 within 5 days (calendar) after a pressure release to confirm the condition indicated by an instrument reading of less than 500 ppm above background. Subpart UU. [40 CFR 63.1030(c)(2)]  
 Which Months: All Year Statistical Basis: None specified
- 436 [40 CFR 63.1030(c)(3)] Pressure relief devices in gas/vapor service: Monitoring data recordkeeping by electronic or hard copy within 5 days (calendar) after a pressure release. Record the dates and results of the monitoring required by 40 CFR 63.1030(c)(2) following a pressure release including the background level measured and the maximum instrument reading measured during the monitoring. Subpart UU. [40 CFR 63.1030(c)(3)]
- 437 [40 CFR 63.1030(e)] Pressure relief devices in gas/vapor service (rupture disk): Install a replacement rupture disk upstream of the pressure relief device as soon as practical after each pressure release but no later than 5 calendar days after each pressure release, except as provided in 40 CFR 63.1024(d). Comply with this requirement in lieu of the requirements in 40 CFR 63.1030(b) and (c). Subpart UU. [40 CFR 63.1030(e)]
- 438 [40 CFR 63.1031(b)] Compressors: Equip with a seal system that includes a barrier fluid system and that prevents leakage of process fluid to the atmosphere, except as provided in 40 CFR 63.1021(b), 63.1036, 63.1037, and 63.1031(e) and (f). Subpart UU. [40 CFR 63.1031(b)]

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- 439 [40 CFR 63.1031(b)] Compressors (seal system): Operate with the barrier fluid at a pressure that is greater than the compressor stuffing box pressure at all times (except during periods of startup, shutdown, or malfunction); or equip with a barrier fluid system degassing reservoir that is routed to a process or fuel gas system or connected by a closed-vent system to a control device that meets the requirements of either 40 CFR 63.1034 or 63.1021(b); or equip with a closed-loop system that purges the barrier fluid directly into a process stream. Subpart UU. [40 CFR 63.1031(b)]
- 440 [40 CFR 63.1031(c)] Compressors: Equip each barrier fluid system with a sensor that will detect failure of the seal system, barrier fluid system, or both. Subpart UU. [40 CFR 63.1031(c)]
- 441 [40 CFR 63.1031(c)] Compressors: Ensure that the barrier fluid is not in light liquid service. Subpart UU. [40 CFR 63.1031(c)]
- 442 [40 CFR 63.1031(c)] Compressors (sensor): Presence of a leak monitored by visual inspection/determination daily, or equip with an alarm unless the compressor is located within the boundary of an unmanned plant site. Subpart UU. [40 CFR 63.1031(c)]
- 443 [40 CFR 63.1031(d)(1)] Which Months: All Year Statistical Basis: None specified
- 443 [40 CFR 63.1031(d)(1)] Compressors (sensor): Determine, based on design considerations and operating experience, a criterion that indicates failure of the seal system, the barrier fluid system, or both. If the sensor indicates failure of the seal system, the barrier fluid system, or both based on the criterion, a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.1024, as applicable. Subpart UU. [40 CFR 63.1031(d)(1)]
- 444 [40 CFR 63.1031(d)(2)] Compressors: Equipment/operational data recordkeeping by electronic or hard copy once initially and upon change or revision. Keep records of the design criteria and an explanation of the design criteria; and any changes to these criteria and the reasons for the changes. Subpart UU. [40 CFR 63.1031(d)(2)]
- 445 [40 CFR 63.1031(e)] Compressors (routed to a process or fuel gas system or equipped with a closed-vent system): Equip with a system to capture and transport leakage from the compressor drive shaft seal to a process or a fuel gas system or to a closed-vent system that captures and transports leakage from the compressor to a control device meeting the requirements of either 40 CFR 63.1034 or 63.1021(b). Comply with this requirement in lieu of the requirements in 40 CFR 63.1031(b) through (d). Subpart UU. [40 CFR 63.1031(e)]
- 446 [40 CFR 63.1031(f)(1)] Compressors (operating with instrument reading of less than 500 ppm above background): Organic HAP < 500 ppm above background at all times, as demonstrated initially upon designation, annually, and at other times requested by DEQ. Comply with this requirement in lieu of the requirements in 40 CFR 63.1031(b) through (d). Subpart UU. [40 CFR 63.1031(f)(1)]
- 447 [40 CFR 63.1031(f)(2)] Which Months: All Year Statistical Basis: None specified
- 447 [40 CFR 63.1031(f)(2)] Compressors (operating with instrument reading of less than 500 ppm above background): Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of a compliance test. Record the dates and results of each compliance test including the background level measured and the maximum instrument reading measured during each compliance test. Comply with this requirement in lieu of the requirements in 40 CFR 63.1031(b) through (d). Subpart UU. [40 CFR 63.1031(f)(2)]
- 448 [40 CFR 63.1032] Sampling connection systems: Equip with a closed-purge, closed-loop, or closed-vent system, except as provided in 40 CFR 63.1021(b), 63.1036, 63.1037, or 63.1032(d). Operate the system as specified in 40 CFR 63.1032(c)(1) through (c)(5). Subpart UU.
- 449 [40 CFR 63.1033(b)] Open-ended valves or lines: Equip with a cap, blind flange, plug, or a second valve, except as provided in 40 CFR 63.1021(b), 63.1036, 63.1037, and 63.1033(c) and (d). Ensure that the cap, blind flange, plug or second valve seals the open end at all times except during operations requiring process fluid flow through the open-ended valve or line, or during maintenance. Operate each open-ended valve or line equipped with a second valve in a manner such that the valve on the process fluid end is closed before the second valve is closed. Subpart UU. [40 CFR 63.1033(b)]
- 450 [40 CFR 63.1034(b)(1)] Comply with the provisions of 40 CFR 63 Subpart SS, except as provided in 40 CFR 63.1002(b), if routing emissions from equipment leaks to a fuel gas system or process. Subpart UU. [40 CFR 63.1034(b)(1)]

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- 451 [40 CFR 63.1038] Keep the records specified in 40 CFR 63.1038(b) and (c). Subpart UU.
- 452 [40 CFR 63.1039(a)] Submit Initial Compliance Status Report: Due according to the procedures in the referencing subpart. Include the information listed in 40 CFR 63.1039(a)(1) through (a)(3), as applicable. Subpart UU. [40 CFR 63.1039(a)]
- 453 [40 CFR 63.1039(b)] Submit Periodic Reports: Due according to the procedures in the referencing subpart. Include the information listed in 40 CFR 63.1039(b)(1) through (b)(8), as applicable. Subpart UU. [40 CFR 63.1039(b)]
- 454 [LAC 33:III.2122] Comply with 40 CFR 63 Subpart UU as referenced by 40 CFR 63 Subpart YY in accordance with streamlined LDAR fugitives monitoring program defined in Appendix A.
- 455 [LAC 33:III.5109 Non-HON M] Comply with 40 CFR 63 Subpart UU as referenced by 40 CFR 63 Subpart YY in accordance with streamlined LDAR fugitives monitoring program defined in Appendix A.

**FUG 0047 U-46G - DILA RACK FUGITIVES FOR C4/C5 LOADING**

- 456 [40 CFR 60.Subpart J] Comply with 40 CFR 63 Subpart H in accordance with streamlined LDAR fugitives monitoring program defined in Appendix A.
- 457 [40 CFR 60.Subpart VV] Comply with 40 CFR 63 Subpart H in accordance with streamlined LDAR fugitives monitoring program defined in Appendix A.
- 458 [40 CFR 60.Subpart V] Comply with 40 CFR 63 Subpart H in accordance with streamlined LDAR fugitives monitoring program defined in Appendix A.
- 459 [40 CFR 63.162(c)] Identify each piece of equipment in a process unit such that it can be distinguished readily from equipment that is not subject to 40 CFR 63 Subpart H. Subpart H. [40 CFR 63.162(c)]
- 460 [40 CFR 63.162(d)] Clearly identify leaking equipment, for leaking equipment detected as specified in 40 CFR 63.163, 40 CFR 63.164, 40 CFR 63.168, 40 CFR 63.169, and 40 CFR 63.172 through 63.174. The identification may be removed after the equipment is repaired, except for valves or for connectors subject to 40 CFR 63.174(c)(1)(i). The identification on a valve may be removed after it has been monitored as specified in 40 CFR 63.168(f)(3) and 63.175(e)(1)(D), and no leak has been detected during the follow-up monitoring. If electing to comply using the provisions of 40 CFR 63.174(c)(1)(i), the identification on a connector may be removed after it is monitored as specified in 40 CFR 63.174(c)(1)(i) and no leak is detected during that monitoring. Subpart H. [40 CFR 63.162(f)]
- 461 [40 CFR 63.163(b)(1)] Pumps in light liquid service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 monthly to detect leaks, except as provided in 40 CFR 63.162(b) and 63.163(e) through (j). If a reading of 10,000 ppm (phase I); 5,000 ppm (phase II); or 5,000 ppm (phase III, pumps handling polymerizing monomers), 2,000 ppm (phase III, pumps in food/medical service), or 1,000 ppm (phase III, all other pumps) or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.163(c). Subpart H. [40 CFR 63.163(b)(1)]  
 Which Months: All Year Statistical Basis: None specified
- 462 [40 CFR 63.163(b)(3)] Pumps in light liquid service: Presence of a leak monitored by visual inspection/determination weekly (calendar). Monitor for indications of liquids dripping from the pump seal. If there are indications of liquids dripping from the pump seal, a leak is detected. If a leak is detected, initiate the repair provisions specified in 40 CFR 63.163(c). Subpart H. [40 CFR 63.163(b)(3)]  
 Which Months: All Year Statistical Basis: None specified
- 463 [40 CFR 63.163(c)] Pumps in light liquid service: Make a first attempt at repair no later than 5 calendar days after a leak is detected, and complete repairs no later than 15 calendar days after the leak is detected, except as provided in 40 CFR 63.163(c)(3) and 40 CFR 63.171. Subpart H. [40 CFR 63.163(c)]

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- 464 [40 CFR 63.163(d)(2)] Pumps in light liquid service: Implement a quality improvement program for pumps that complies with the requirements of 40 CFR 63.176, if, in Phase III, calculated on a 6-month rolling average, the greater of either 10 percent of the pumps in a process unit or three pumps in a process unit leak. Subpart H. [40 CFR 63.163(d)(2)]
- 465 [40 CFR 63.163(d)(4)] Pumps in light liquid service: Determine percent leaking pumps using the equation in 40 CFR 63.163(d)(4). Subpart H. [40 CFR 63.163(d)(4)]
- 466 [40 CFR 63.163(e)(1)] Pumps in light liquid service (dual mechanical seal system): Operate with the barrier fluid at a pressure that is at all times greater than the pump stuffing box pressure; or equip with a barrier fluid degassing reservoir that is routed to a process or fuel gas system or connected by a closed-vent system to a control device that complies with the requirements of 40 CFR 63.172; or equip with a closed-loop system that purges the barrier fluid into a process stream. Comply with this requirement instead of the requirements in 40 CFR 63.163(a) through (d). Subpart H. [40 CFR 63.163(e)(1)]
- 467 [40 CFR 63.163(e)(2)] Pumps in light liquid service (dual mechanical seal system): Ensure that the barrier fluid is not in light liquid service. Comply with this requirement instead of the requirements in 40 CFR 63.163(a) through (d). Subpart H. [40 CFR 63.163(e)(2)]
- 468 [40 CFR 63.163(e)(3)] Pumps in light liquid service (dual mechanical seal system): Equip barrier fluid system with a sensor that will detect failure of the seal system, barrier fluid system, or both. Comply with this requirement instead of the requirements in 40 CFR 63.163(a) through (d). Subpart H. [40 CFR 63.163(e)(3)]
- 469 [40 CFR 63.163(e)(4)] Pumps in light liquid service (dual mechanical seal system): Presence of a leak monitored by visual inspection/determination weekly (calendar). Monitor for indications of liquids dripping from the pump seal. If there are indications of liquid dripping from the pump seal at the time of the weekly inspection, monitor the pump as specified in 40 CFR 63.180(b) to determine if there is a leak of organic HAP in the barrier fluid. If an instrument reading of 1,000 ppm or greater is measured, a leak is detected. If a leak is detected, initiate the repair provisions in 40 CFR 63.163(e)(6). Comply with this requirement instead of the requirements in 40 CFR 63.163(a) through (d). Subpart H. [40 CFR 63.163(e)(4)]  
 Which Months: All Year Statistical Basis: None specified
- 470 [40 CFR 63.163(e)(6)(i)] Pumps in light liquid service (dual mechanical seal system): Determine, based on design considerations and operating experience, criteria that indicates failure of the seal system, the barrier fluid system, or both. Comply with this requirement instead of the requirements in 40 CFR 63.163(a) through (d). Subpart H. [40 CFR 63.163(e)(6)(i)]
- 471 [40 CFR 63.163(e)(6)] Pumps in light liquid service (dual mechanical seal system): Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after the leak is detected, except as provided in 40 CFR 63.171. Comply with this requirement instead of the requirements in 40 CFR 63.163(a) through (d). Subpart H. [40 CFR 63.163(e)(6)]
- 472 [40 CFR 63.163(e)] Pumps in light liquid service (dual mechanical seal system - sensor): Equipment/operational data monitored by visual inspection/determination daily, or equip with an audible alarm unless the pump is located within the boundary of an unmanned plant site. If the sensor indicates failure of the seal system, the barrier fluid system, or both based on the criteria established in 40 CFR 63.163(e)(6), a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.163(e)(6). Comply with this requirement instead of the requirements in 40 CFR 63.163(a) through (d). Subpart H. [40 CFR 63.163(e)]  
 Which Months: All Year Statistical Basis: None specified
- 473 [40 CFR 63.163(h)] Pumps in light liquid service (unmanned plant site): Presence of a leak monitored by visual inspection/determination at the regulation's specified frequency. Monitor each pump as often as practicable and at least monthly. Comply with this requirement instead of the weekly visual inspection requirement of 40 CFR 63.163(b)(3) and (e)(4), and the daily requirements of 40 CFR 63.163(e)(5). Subpart H. [40 CFR 63.163(h)]  
 Which Months: All Year Statistical Basis: None specified

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- 474 [40 CFR 63.163(j)(1)] Pumps in light liquid service (unsafe-to-monitor): Determine that the pump is unsafe-to-monitor because monitoring personnel would be exposed to an immediate danger as a consequence of complying with 40 CFR 63.163(b) through (d). Comply with this requirement instead of the requirements in 40 CFR 63.163(b) through (e). Subpart H. [40 CFR 63.163(j)(1)]
- 475 [40 CFR 63.163(j)(2)] Pumps in light liquid service (unsafe-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Maintain a written plan that requires monitoring of the pump as frequently as practicable during safe-to-monitor times but not more frequently than the periodic monitoring schedule otherwise applicable. Comply with this requirement instead of the requirements in 40 CFR 63.163(b) through (e). Subpart H. [40 CFR 63.163(j)(2)]  
 Which Months: All Year Statistical Basis: None specified
- 476 [40 CFR 63.164(a)] Compressors: Equip with a seal system that includes a barrier fluid system and that prevents leakage of process fluid to the atmosphere, except as provided in 40 CFR 63.162(b) and 40 CFR 63.164(h) and (i). Subpart H. [40 CFR 63.164(a)]
- 477 [40 CFR 63.164(b)] Compressors: Operate the seal system with the barrier fluid at a pressure that is greater than the compressor stuffing box pressure; or equip with a barrier fluid system degassing reservoir that is routed to a process or fuel gas system or connected by a closed-vent system to a control device that complies with the requirements of 40 CFR 63.172; or equip with a closed-loop system that purges the barrier fluid directly into a process stream. Subpart H. [40 CFR 63.164(b)]
- 478 [40 CFR 63.164(c)] Compressors: Ensure that the barrier fluid is not in light liquid service. Subpart H. [40 CFR 63.164(c)]
- 479 [40 CFR 63.164(d)] Compressors: Equip each barrier fluid system as described in 40 CFR 63.164(a) through (c) with a sensor that will detect failure of the seal system, barrier fluid system, or both. Subpart H. [40 CFR 63.164(d)]
- 480 [40 CFR 63.164(e)(2)] Compressors (sensor): Determine, based on design considerations and operating experience, a criterion that indicates failure of the seal system, the barrier fluid system, or both. Subpart H. [40 CFR 63.164(e)(2)]
- 481 [40 CFR 63.164(g)] Compressors: Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after each leak is detected, except as provided in 40 CFR 63.171. Subpart H. [40 CFR 63.164(g)]
- 482 [40 CFR 63.164(h)(2)] Compressors (no detectable emissions): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once initially and annually, and at other times requested by DEQ. Comply with this requirement instead of the requirements in 40 CFR 63.164(a) through (h). Subpart H. [40 CFR 63.164(h)(2)]  
 Which Months: All Year Statistical Basis: None specified
- 483 [40 CFR 63.164] Compressors (sensor): Equipment/operational data monitored by visual inspection/determination daily, or equip with an alarm, unless the compressor is located within the boundary of an unmanned plant site. If the sensor indicates failure of the seal system, the barrier fluid system, or both based on the criterion determined under 40 CFR 63.164(e)(2), a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.164(g). Subpart H.  
 Which Months: All Year Statistical Basis: None specified
- 484 [40 CFR 63.165(a)] Pressure relief device in gas/vapor service: Organic HAP < 500 ppm above background except during pressure releases, as determined by the method specified in 63.180(c). Subpart H. [40 CFR 63.165(a)]  
 Which Months: All Year Statistical Basis: None specified
- 485 [40 CFR 63.165(b)(1)] Pressure relief devices in gas/vapor service: After each pressure release, return to a condition indicated by an instrument reading of less than 500 ppm above background, as soon as practicable, but no later than 5 calendar days after each pressure release, except as provided in 40 CFR 63.171. Subpart H. [40 CFR 63.165(b)(1)]

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- 486 [40 CFR 63.165(b)(2)] Pressure relief devices in gas/vapor service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 within 5 days (calendar) after the pressure release and being returned to organic HAP service, to confirm the condition indicated by an instrument reading of less than 500 ppm above background, as measured by the method specified in 40 CFR 63.180(c). Subpart H. [40 CFR 63.165(b)(2)]  
 Which Months: All Year Statistical Basis: None specified
- 487 [40 CFR 63.165(d)(2)] Pressure relief devices in gas/vapor service (rupture disk): After each pressure release, install a new rupture disk upstream of the pressure relief device as soon as practicable, but no later than 5 calendar days after each pressure release, except as provided in 40 CFR 63.171. Comply with this requirement instead of the requirements in 40 CFR 63.165(a) and (b). Subpart H. [40 CFR 63.165(d)(2)]
- 488 [40 CFR 63.166] Sampling connection systems: Equip with a closed-purge, closed-loop, or closed-vent system, except as provided in 40 CFR 63.162(b). Operate the system as specified in 40 CFR 63.166(b). Subpart H.
- 489 [40 CFR 63.167] Open-ended valves or lines: Equip with a cap, blind flange, plug, or a second valve, except as provided in 40 CFR 63.162(b) and 40 CFR 63.167(d) and (e). Ensure that the cap, blind flange, plug or second valve seals the open end at all times except during operations requiring process fluid flow through the open-ended valve or line, or during maintenance or repair. Operate each open-ended valve or line equipped with a second valve in a manner such that the valve on the process fluid end is closed before the second valve is closed. Subpart H.
- 490 [40 CFR 63.168(c)] Valves in gas/vapor service or light liquid service (Phase I): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 quarterly, as specified in 40 CFR 63.180(b). If an instrument reading of 10,000 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.168(f). Subpart H. [40 CFR 63.168(c)]  
 Which Months: All Year Statistical Basis: None specified
- 491 [40 CFR 63.168(c)] Valves in gas/vapor service or light liquid service (Phase II): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 quarterly, as specified in 40 CFR 63.180(b). If an instrument reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.168(f). Subpart H. [40 CFR 63.168(c)]  
 Which Months: All Year Statistical Basis: None specified
- 492 [40 CFR 63.168(d)(1)] Valves in gas/vapor service or light liquid service (Phase III, 2 percent or greater leaking valves): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 monthly, as specified in 40 CFR 63.180(b); or implement a quality improvement program for valves that complies with the requirements of 40 CFR 63.175 and monitor quarterly. If an instrument reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.168(f). If electing to implement a quality improvement program, follow the procedures in 40 CFR 63.175. Subpart H. [40 CFR 63.168(d)(1)]  
 Which Months: All Year Statistical Basis: None specified
- 493 [40 CFR 63.168(d)(2)] Valves in gas/vapor service or light liquid service (Phase III, less than 2 percent leaking valves): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 quarterly, as specified in 40 CFR 63.180(b). If an instrument reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.168(f). Permittee may elect to comply with the alternate standards in 40 CFR 63.168(d)(3) and (d)(4). Subpart H. [40 CFR 63.168(d)(2)]  
 Which Months: All Year Statistical Basis: None specified
- 494 [40 CFR 63.168(e)(1)] Valves in gas/vapor service or light liquid service: Determine percent leaking valves using the equation in 40 CFR 63.168(e)(1). Subpart H. [40 CFR 63.168(e)(1)]
- 495 [40 CFR 63.168(f)(3)] Valves in gas/vapor service or light liquid service (after leak repair): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once within three months (at least) after repair to determine whether the valve has resumed leaking. Subpart H. [40 CFR 63.168(f)(3)]  
 Which Months: All Year Statistical Basis: None specified

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- 496 [40 CFR 63.168(f)] Valves in gas/vapor service or light liquid service: Make a first attempt at repair no later than 5 calendar days after a leak is detected, and complete repairs no later than 15 calendar days after the leak is detected, except as provided in 40 CFR 63.171. Subpart H. [40 CFR 63.168(f)]
- 497 [40 CFR 63.168(h)(1)] Valves in gas/vapor service or light liquid service (unsafe-to-monitor): Demonstrate that the valve is unsafe to monitor because monitoring personnel would be exposed to an immediate danger as a consequence of complying with 40 CFR 63.168(b) through (d). Comply with this requirement instead of the requirements in 40 CFR 63.168(b) through (f). Subpart H. [40 CFR 63.168(h)(1)]
- 498 [40 CFR 63.168(h)(2)] Valves in gas/vapor service or light liquid service (unsafe-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Maintain a written plan that requires monitoring of the valves as frequently as practicable during safe-to-monitor times, but not more frequently than the periodic monitoring schedule otherwise applicable. Comply with this requirement instead of the requirements in 40 CFR 63.168(b) through (f). Subpart H. [40 CFR 63.168(h)(2)]
- 499 [40 CFR 63.168(i)(1)] Which Months: All Year Statistical Basis: None specified  
 Valves in gas/vapor service or light liquid service (difficult-to-monitor): Demonstrate that the valve cannot be monitored without elevating the monitoring personnel more than 2 meters above a support surface or it is not accessible at anytime in a safe manner. Comply with this requirement instead of the requirements in 40 CFR 63.168(b) through (d). Subpart H. [40 CFR 63.168(i)(1)]
- 500 [40 CFR 63.168(i)(3)] Valves in gas/vapor service or light liquid service (difficult-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 annually. Maintain a written plan that requires monitoring of the valves at least once per calendar year. Comply with this requirement instead of the requirements in 40 CFR 63.168(b) through (d). Subpart H. [40 CFR 63.168(i)(3)]
- 501 [40 CFR 63.169(a)] Which Months: All Year Statistical Basis: None specified  
 Pumps, valves, connectors, and agitators in heavy liquid service, instrumentation systems, and pressure relief devices in liquid service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 within 5 days (calendar) if evidence of a potential leak to the atmosphere is found by visible, audible, olfactory, or any other detection method. If a reading of 10,000 ppm for agitators, 5,000 ppm for pumps handling polymerizing monomers, 2,000 ppm for all other pumps (including pumps in food/medical service), or 500 ppm for valves, connectors, instrumentation systems, and pressure relief devices, or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.169(c). Subpart H. [40 CFR 63.169(a)]
- 502 [40 CFR 63.169(c)] Which Months: All Year Statistical Basis: None specified  
 Pumps, valves, connectors, and agitators in heavy liquid service; instrumentation systems; and pressure relief devices in liquid service: Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after it each leak is detected, except as provided in 40 CFR 63.171. Subpart H. [40 CFR 63.169(c)]
- 503 [40 CFR 63.170] Surge control vessels and bottoms receivers: Equip with a closed-vent system that routes the organic vapors vented from the surge control vessel or bottoms receiver back to the process or to a control device that complies with the requirements of 40 CFR 63.172, except as provided in 40 CFR 63.162(b), or comply with the requirements of 40 CFR 63.119(b) or (c), if surge control vessel or bottoms receiver is not routed back to the process and meets the conditions specified in 40 CFR 63 Subpart H Table 2 or Table 3. Subpart H.
- 504 [40 CFR 63.172(f)(1)(i)] Closed-vent systems (hard-piping): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once initially according to the procedures in 40 CFR 63.180(b). If an instrument reading greater than 500 ppm above background is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.172(h). Subpart H. [40 CFR 63.172(f)(1)(i)]

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- 505 [40 CFR 63.172(f)(1)(iii)] Closed-vent system (hard-piping): Presence of a leak monitored by visual, audible, and/or olfactory annually. If a leak is detected, initiate repair provisions in 40 CFR 63.172(h). Subpart H. [40 CFR 63.172(f)(1)(ii)]  
Which Months: All Year Statistical Basis: None specified
- 506 [40 CFR 63.172(f)(2)(i)] Closed-vent system (duct work): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once initially according to the procedures in 40 CFR 63.180(b). If an instrument reading greater than 500 ppm above background is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.172(h). Subpart H. [40 CFR 63.172(f)(2)(i)]  
Which Months: All Year Statistical Basis: None specified
- 507 [40 CFR 63.172(f)(2)(ii)] Closed-vent system (duct work): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 annually according to the procedures in 40 CFR 63.180(b). If an instrument reading greater than 500 ppm above background is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.172(h). Subpart H. [40 CFR 63.172(f)(2)(ii)]  
Which Months: All Year Statistical Basis: None specified
- 508 [40 CFR 63.172(h)] Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after it each leak is detected, except as provided in 40 CFR 63.172(i). Subpart H. [40 CFR 63.172(h)]
- 509 [40 CFR 63.172(j)(1)] Closed-vent system (bypass lines): Flow monitored by flow indicator once every 15 minutes. Install flow indicator at the entrance to any bypass line. Subpart H. [40 CFR 63.172(j)(1)]  
Which Months: All Year Statistical Basis: None specified
- 510 [40 CFR 63.172(j)(1)] Closed-vent system (bypass lines): Flow recordkeeping by electronic or hard copy once every 15 minutes. Generate records as specified in 40 CFR 63.118(a)(3). Subpart H. [40 CFR 63.172(j)(1)]
- 511 [40 CFR 63.172(j)(2)] Closed-vent system (bypass lines): Seal or closure mechanism monitored by visual inspection/determination monthly to ensure the valve is maintained in the non-diverting position and the vent stream is not diverted through the bypass line. Subpart H. [40 CFR 63.172(j)(2)]  
Which Months: All Year Statistical Basis: None specified
- 512 [40 CFR 63.172(j)(2)] Closed-vent system (bypass lines): Secure the bypass line valve in the non-diverting position with a car-seal or a lock-and-key type configuration. Subpart H. [40 CFR 63.172(j)(2)]
- 513 [40 CFR 63.172(k)(1)] Closed-vent system (unsafe-to-inspect): Demonstrate that the equipment is unsafe to inspect because inspecting personnel would be exposed to an imminent or potential dangers as a consequence of complying with 40 CFR 63.172(f)(1) or (f)(2). Comply with this requirement instead of the requirements in 40 CFR 63.172(f)(1) and (f)(2). Subpart H. [40 CFR 63.172(k)(1)]
- 514 [40 CFR 63.172(k)(2)] Closed-vent system (unsafe-to-inspect): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Maintain a written plan that requires inspection of the equipment as frequently as practicable during safe-to-inspect times, but not more frequently than annually. Comply with this requirement instead of the requirements in 40 CFR 63.172(f)(1) and (f)(2). Subpart H. [40 CFR 63.172(k)(2)]  
Which Months: All Year Statistical Basis: None specified
- 515 [40 CFR 63.172(l)(1)] Closed-vent system (difficult-to-inspect): Demonstrate that the equipment cannot be inspected without elevating the inspecting personnel more than 2 meters above a support surface. Comply with this requirement instead of the requirements in 40 CFR 63.172(f)(1) and (f)(2). Subpart H. [40 CFR 63.172(l)(1)]

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- 516 [40 CFR 63.172(l)(2)] Closed-vent system (difficult-to-inspect): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once every five years. Maintain a written plan that requires inspection of the equipment at least once every five years. Comply with this requirement instead of the requirements in 40 CFR 63.172(f)(1) and (f)(2). Subpart H. [40 CFR 63.172(l)(2)]  
Which Months: All Year Statistical Basis: None specified  
Ensure that the closed-vent system or control device is operating whenever organic HAP emissions are vented to the closed-vent system or control device. Subpart H. [40 CFR 63.172(m)]
- 517 [40 CFR 63.172(m)]
- 518 [40 CFR 63.173(a)] Agitators in gas/vapor service or light liquid service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 monthly to detect leaks, as specified in 40 CFR 63.180(b). If an instrument reading of 10,000 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.173(c). Subpart H. [40 CFR 63.173(a)]  
Which Months: All Year Statistical Basis: None specified
- 519 [40 CFR 63.173(b)] Agitators in gas/vapor service or light liquid service: Presence of a leak monitored by visual inspection/determination weekly (calendar) for indications of liquids dripping from the agitator. If there are indications of liquids dripping from the agitator, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.173(c). Subpart H. [40 CFR 63.173(b)]  
Which Months: All Year Statistical Basis: None specified
- 520 [40 CFR 63.173(c)] Agitators in gas/vapor service or light liquid service: Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after it each leak is detected, except as provided in 40 CFR 63.171. Subpart H. [40 CFR 63.173(c)]
- 521 [40 CFR 63.173(d)(1)] Agitators in gas/vapor service and light liquid service (dual mechanical seal system): Operate with the barrier fluid at a pressure that is at all times greater than the agitator stuffing box pressure; or equip with a barrier fluid degassing reservoir that is routed to a process or fuel gas system or connected by a closed-vent system to a control device that complies with the requirements of 40 CFR 63.172; or equip with a closed-loop system that purges the barrier fluid into a process stream. Comply with this requirement instead of the requirements in 40 CFR 63.173(a). Subpart H. [40 CFR 63.173(d)(1)]
- 522 [40 CFR 63.173(d)(2)] Agitators in gas/vapor service and light liquid service (dual mechanical seal system): Ensure that the barrier fluid is not in light liquid organic HAP service. Comply with this requirement instead of the requirements in 40 CFR 63.173(a). Subpart H. [40 CFR 63.173(d)(2)]
- 523 [40 CFR 63.173(d)(3)] Agitators in gas/vapor service and light liquid service (dual mechanical seal system): Equip barrier fluid system with a sensor that will detect failure of the seal system, barrier fluid system, or both. Comply with this requirement instead of the requirements in 40 CFR 63.173(a). Subpart H. [40 CFR 63.173(d)(3)]
- 524 [40 CFR 63.173(d)(4)] Agitators in gas/vapor service or light liquid service (dual mechanical seal system): Presence of a leak monitored by visual inspection/determination weekly (calendar). Monitor for indications of liquids dripping from the agitator seal. If there are indications of liquid dripping from the agitator seal at the time of the weekly inspection, monitor the agitator as specified in 40 CFR 63.180(b) to determine the presence of organic HAP in the barrier fluid. If an instrument reading of 10,000 ppm or greater is measured, a leak is detected. If a leak is detected, initiate the repair provisions in 40 CFR 63.173(d)(6). Comply with this requirement instead of the requirements in 40 CFR 63.173(a). Subpart H. [40 CFR 63.173(d)(4)]  
Which Months: All Year Statistical Basis: None specified
- 525 [40 CFR 63.173(d)(6)(a)] Agitators in gas/vapor service and light liquid service (dual mechanical seal system): Determine, based on design considerations and operating experience, criteria that indicates failure of the seal system, the barrier fluid system, or both. Comply with this requirement instead of the requirements in 40 CFR 63.173(a). Subpart H. [40 CFR 63.173(d)(6)(a)]

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- 526 [40 CFR 63.173(d)(6)] Agitators in gas/vapor service and light liquid service (dual mechanical seal system): Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after the leak is detected, except as provided in 40 CFR 63.171. Comply with this requirement instead of the requirements in 40 CFR 63.173(a). Subpart H. [40 CFR 63.173(d)(6)]
- 527 [40 CFR 63.173(d)] Agitators in gas/vapor service or light liquid service (dual mechanical seal system - sensor): Equipment/operational data monitored by visual inspection/determination daily, or equip with an audible alarm unless the agitator is located within the boundary of an unmanned plant site. If the sensor indicates failure of the seal system, the barrier fluid system, or both based on the criteria established in 40 CFR 63.173(d)(6), a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.173(d)(6). Comply with this requirement instead of the requirements in 40 CFR 63.173(a). Subpart H. [40 CFR 63.173(d)]
- 528 [40 CFR 63.173(g)] Which Months: All Year Statistical Basis: None specified  
 Agitators in gas/vapor service or light liquid service (unmanned plant site): Presence of a leak monitored by visual inspection/determination at the regulation's specified frequency. Monitor each agitator as often as practicable and at least monthly. Comply with this requirement instead of the weekly visual inspection requirement of 40 CFR 63.173(b)(1) and (d)(4), and the daily requirements of 40 CFR 63.173(d)(5). Subpart H. [40 CFR 63.173(g)]
- 529 [40 CFR 63.173(h)(1)] Which Months: All Year Statistical Basis: None specified  
 Agitators in gas/vapor service or light liquid service (difficult to monitor): Demonstrate that the agitator cannot be monitored without elevating the monitoring personnel more than two meters above a support surface or it is not accessible at anytime in a safe manner. Comply with this requirement instead of the requirements in 40 CFR 63.173(a) through (d). Subpart H. [40 CFR 63.173(h)(1)]
- 530 [40 CFR 63.173(h)(3)] Agitators in gas/vapor service or light liquid service (difficult-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 annually. Maintain a written plan that requires monitoring of the agitator at least once per calendar year. Comply with this requirement instead of the requirements in 40 CFR 63.173(a) through (d). Subpart H. [40 CFR 63.173(h)(3)]
- 531 [40 CFR 63.173(j)(1)] Which Months: All Year Statistical Basis: None specified  
 Agitators in gas/vapor service or light liquid service (unsafe-to-monitor): Demonstrate that the agitator is unsafe to monitor because monitoring personnel would be exposed to an immediate danger as a consequence of complying with 40 CFR 63.173(a) through (d). Comply with this requirement instead of the requirements in 40 CFR 63.173(a) through (d). Subpart H. [40 CFR 63.173(j)(1)]
- 532 [40 CFR 63.173(j)(2)] Agitators in gas/vapor service or light liquid service (unsafe-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Maintain a written plan that requires monitoring of the agitator as frequently as practicable during safe-to-monitor times, but not more frequently than the periodic monitoring schedule otherwise applicable. Comply with this requirement instead of the requirements in 40 CFR 63.173(a) through (d). Subpart H. [40 CFR 63.173(j)(2)]
- 533 [40 CFR 63.174(b)(1)] Which Months: All Year Statistical Basis: None specified  
 Connectors in gas/vapor service or light liquid service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once within 12 months after the compliance date, except as provided in 40 CFR 63.174(f) through (h). If an instrument reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.174(d). Subpart H. [40 CFR 63.174(b)(1)]

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- 534 [40 CFR 63.174(b)(2)] Connectors in gas/vapor service or light liquid service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once within the first 12 months after initial startup or by no later than 12 months after the date of promulgation of a specific subpart that references 40 CFR 63 Subpart H, whichever is later, except as specified in 40 CFR 63.174(f) through (h). If an instrument reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.174(d). Subpart H. [40 CFR 63.174(b)(2)]  
 Which Months: All Year Statistical Basis: None specified
- 535 [40 CFR 63.174(b)(3)(i)] Connectors in gas/vapor service or light liquid service (0.5% or greater leaking): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 annually. Subpart H. [40 CFR 63.174(b)(3)(i)]  
 Which Months: All Year Statistical Basis: None specified
- 536 [40 CFR 63.174(b)(3)(ii)] Connectors in gas/vapor service or light liquid service (less than 0.5% leaking): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once every two years. Subpart H. [40 CFR 63.174(b)(3)(ii)]  
 Which Months: All Year Statistical Basis: None specified
- 537 [40 CFR 63.174(c)(1)(i)] Connectors in gas/vapor service or light liquid service (opened or otherwise had the seal broken): Presence of a leak monitored by 40 CFR 60, Appendix A, Method 21 within three months after being returned to organic HAP service or when it is reconnected. If monitoring detects a leak, repair according to the provisions of 40 CFR 63.174(d), as specified, except as provided in 40 CFR 63.174(c)(1)(ii). Subpart H. [40 CFR 63.174(c)(1)(i)]
- 538 [40 CFR 63.174(c)(2)(i)] Which Months: All Year Statistical Basis: None specified  
 Connectors in gas/vapor service or light liquid service (2 inches or less in nominal diameter): Comply with the requirements of 40 CFR 63.169. Subpart H. [40 CFR 63.174(c)(2)(i)]
- 539 [40 CFR 63.174(c)(2)(ii)] Connectors in gas/vapor service or light liquid service (2 inches or less in nominal diameter): Organic HAP monitored by technically sound method within three months after being returned to organic HAP service after having been opened or otherwise had the seal broken. If monitoring detects a leak, implement repair provisions in 40 CFR 63.174(d). Subpart H. [40 CFR 63.174(c)(2)(ii)]  
 Which Months: All Year Statistical Basis: None specified
- 540 [40 CFR 63.174(d)] Connectors in gas/vapor service or light liquid service: Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after it each leak is detected, except as provided in 40 CFR 63.171 and 63.174(g). Subpart H. [40 CFR 63.174(d)]
- 541 [40 CFR 63.174(d)] Connectors in gas/vapor service or light liquid service (unsafe-to-monitor): Demonstrate that the connector is unsafe to monitor because personnel would be exposed to an immediate danger as a result of complying with 40 CFR 63.174(a) through (c). Comply with this requirement instead of the requirements in 40 CFR 63.174(a). Subpart H. [40 CFR 63.174(d)(1)]
- 542 [40 CFR 63.174(d)(2)] Connectors in gas/vapor service or light liquid service (unsafe-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Maintain a written plan that requires monitoring of connectors as frequently as practicable during safe to monitor times, but not more frequently than the periodic schedule otherwise applicable. Comply with this requirement instead of the requirements in 40 CFR 63.174(a). Subpart H. [40 CFR 63.174(d)(2)]  
 Which Months: All Year Statistical Basis: None specified
- 543 [40 CFR 63.174(e)] Connectors in gas/vapor service or light liquid service (unsafe-to-repair): Demonstrate that repair personnel would be exposed to an immediate danger as a consequence of complying with 40 CFR 63.174(d). Comply with this requirement instead of the requirements in 40 CFR 63.174(a), (d), and (e). Subpart H. [40 CFR 63.174(g)]

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- 544 [40 CFR 63.174(b)(2)] Connectors in gas/vapor service or light liquid service (inaccessible, ceramic, or ceramic-lined): Make a first attempt at repair within 5 days after leak is detected by visual, audible, olfactory or other means, and complete repairs no later than 15 calendar days after leak is detected, except as provided in 40 CFR 63.171 and 63.174(g). Comply with this requirement instead of the monitoring requirements of 40 CFR 63.174(a) and (c) and from the recordkeeping and reporting requirements of 40 CFR 63.181 and 63.182. Subpart H. [40 CFR 63.174(h)(2)]
- 545 [40 CFR 63.174(i)] Connectors in gas/vapor service or light liquid service: Calculate percent leaking connectors as specified in 40 CFR 63.174(i)(1) and (i)(2). Subpart H. [40 CFR 63.174(i)]
- 546 [40 CFR 63.180] Comply with the test methods and procedures requirements provided in 40 CFR 63.180. Subpart H.
- 547 [40 CFR 63.181] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records as specified in 40 CFR 63.181(a) through (k). Subpart H.
- 548 [40 CFR 63.182(b)] Submit Initial Notification: Due within 120 days after the date of promulgation of the subpart that references 40 CFR 63 Subpart H. Include the information specified in 40 CFR 63.182(b)(1). Subpart H. [40 CFR 63.182(b)]
- 549 [40 CFR 63.182(b)] Submit application: Due as soon as practicable before the construction or reconstruction is planned to commence (but it need not be sooner than 90 days after the date of promulgation of the subpart that references 40 CFR 63 Subpart H). Submit application for approval of construction or reconstruction required by 40 CFR 63.5(d) in lieu of the Initial Notification. Subpart H. [40 CFR 63.182(b)]
- 550 [40 CFR 63.182(b)] Submit Initial Notification: Due within 90 days after the date of promulgation of the subpart that references 40 CFR 63 Subpart H. Include the information specified in 40 CFR 63.182(b)(1). Subpart H. [40 CFR 63.182(b)]
- 551 [40 CFR 63.182(c)] Submit Notification of Compliance Status: Due within 90 days of the compliance dates specified in the 40 CFR 63 subpart that references 40 CFR 63 Subpart H. Include the information specified in 40 CFR 63.182(c)(1) through (c)(3). Subpart H. [40 CFR 63.182(c)]
- 552 [40 CFR 63.182(d)] Submit Periodic Reports: Due semiannually starting 6 months after the Notification of Compliance Status, as required in 40 CFR 63.182(c). Include the information specified in 40 CFR 63.182(d)(2) through (d)(4). Subpart H. [40 CFR 63.182(d)]
- 553 [40 CFR 63.Subpart Y Y] Comply with 40 CFR 63 Subpart H in accordance with streamlined LDAR fugitives monitoring program defined in Appendix A.
- 554 [LAC 33:III.2122] Comply with 40 CFR 63 Subpart H in accordance with streamlined LDAR fugitives monitoring program defined in Appendix A.
- 555 [LAC 33:III.5109 Non.HON.M] Comply with 40 CFR 63 Subpart H in accordance with streamlined LDAR fugitives monitoring program defined in Appendix A.

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- 556 [40 CFR 60.Subpart J] Comply with 40 CFR 63 Subpart H in accordance with streamlined LDAR fugitives monitoring program defined in Appendix A.
- 557 [40 CFR 60.Subpart V V] Comply with 40 CFR 63 Subpart H in accordance with streamlined LDAR fugitives monitoring program defined in Appendix A.
- 558 [40 CFR 60.Subpart V] Comply with 40 CFR 63 Subpart H in accordance with streamlined LDAR fugitives monitoring program defined in Appendix A.
- 559 [40 CFR 63.162(c)] Identify each piece of equipment in a process unit such that it can be distinguished readily from equipment that is not subject to 40 CFR 63 Subpart H. Subpart H. [40 CFR 63.162(c)]

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- 560 [40 CFR 63.162(d)] Clearly identify leaking equipment, for leaking equipment detected as specified in 40 CFR 63.163, 40 CFR 63.164, 40 CFR 63.168, 40 CFR 63.169, and 40 CFR 63.172 through 63.174. The identification may be removed after the equipment is repaired, except for valves or for connectors subject to 40 CFR 63.174(c)(1)(i). The identification on a valve may be removed after it has been monitored as specified in 40 CFR 63.168(f)(3) and 63.175(e)(1)(D), and no leak has been detected during the follow-up monitoring. If electing to comply using the provisions of 40 CFR 63.174(c)(1)(i), the identification on a connector may be removed after it is monitored as specified in 40 CFR 63.174(c)(1)(i) and no leak is detected during that monitoring. Subpart H. [40 CFR 63.162(f)]
- 561 [40 CFR 63.163(b)(1)] Pumps in light liquid service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 monthly to detect leaks, except as provided in 40 CFR 63.162(b) and 63.163(e) through (j). If a reading of 10,000 ppm (phase I); 5,000 ppm (phase II); or 5,000 ppm (phase III, pumps handling polymerizing monomers), 2,000 ppm (phase III, pumps in food/medical service), or 1,000 ppm (phase II, all other pumps) or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.163(c). Subpart H. [40 CFR 63.163(b)(1)]  
 Which Months: All Year Statistical Basis: None specified
- 562 [40 CFR 63.163(b)(3)] Pumps in light liquid service: Presence of a leak monitored by visual inspection/determination weekly (calendar). Monitor for indications of liquids dripping from the pump seal. If there are indications of liquids dripping from the pump seal, a leak is detected. If a leak is detected, initiate the repair provisions specified in 40 CFR 63.163(c). Subpart H. [40 CFR 63.163(b)(3)]  
 Which Months: All Year Statistical Basis: None specified
- 563 [40 CFR 63.163(c)] Pumps in light liquid service: Make a first attempt at repair no later than 5 calendar days after a leak is detected, and complete repairs no later than 15 calendar days after the leak is detected, except as provided in 40 CFR 63.163(c)(3) and 40 CFR 63.171. Subpart H. [40 CFR 63.163(c)]
- 564 [40 CFR 63.163(d)(2)] Pumps in light liquid service: Implement a quality improvement program for pumps that complies with the requirements of 40 CFR 63.176, if, in Phase III, calculated on a 6-month rolling average, the greater of either 10 percent of the pumps in a process unit or three pumps in a process unit leak. Subpart H. [40 CFR 63.163(d)(2)]
- 565 [40 CFR 63.163(d)(4)] Pumps in light liquid service: Determine percent leaking pumps using the equation in 40 CFR 63.163(d)(4). Subpart H. [40 CFR 63.163(d)(4)]
- 566 [40 CFR 63.163(e)(1)] Pumps in light liquid service (dual mechanical seal system): Operate with the barrier fluid at a pressure that is at all times greater than the pump stuffing box pressure; or equip with a barrier fluid degassing reservoir that is routed to a process or fuel gas system or connected by a closed-vent system to a control device that complies with the requirements of 40 CFR 63.172; or equip with a closed-loop system that purges the barrier fluid into a process stream. Comply with this requirement instead of the requirements in 40 CFR 63.163(a) through (d). Subpart H. [40 CFR 63.163(e)(1)]
- 567 [40 CFR 63.163(e)(2)] Pumps in light liquid service (dual mechanical seal system): Ensure that the barrier fluid is not in light liquid service. Comply with this requirement instead of the requirements in 40 CFR 63.163(a) through (d). Subpart H. [40 CFR 63.163(e)(2)]
- 568 [40 CFR 63.163(e)(3)] Pumps in light liquid service (dual mechanical seal system): Equip barrier fluid system with a sensor that will detect failure of the seal system, barrier fluid system, or both. Comply with this requirement instead of the requirements in 40 CFR 63.163(a) through (d). Subpart H. [40 CFR 63.163(e)(3)]
- 569 [40 CFR 63.163(e)(4)] Pumps in light liquid service (dual mechanical seal system): Presence of a leak monitored by visual inspection/determination weekly (calendar). Monitor for indications of liquids dripping from the pump seal. If there are indications of liquid dripping from the pump seal at the time of the weekly inspection, monitor the pump as specified in 40 CFR 63.180(b) to determine if there is a leak of organic HAP in the barrier fluid. If an instrument reading of 1,000 ppm or greater is measured, a leak is detected. If a leak is detected, initiate the repair provisions in 40 CFR 63.163(e)(6). Comply with this requirement instead of the requirements in 40 CFR 63.163(a) through (d). Subpart H. [40 CFR 63.163(e)(4)]  
 Which Months: All Year Statistical Basis: None specified

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- 570 [40 CFR 63.163(e)(6)(i)] Pumps in light liquid service (dual mechanical seal system): Determine, based on design considerations and operating experience, criteria that indicates failure of the seal system, the barrier fluid system, or both. Comply with this requirement instead of the requirements in 40 CFR 63.163(a) through (d). Subpart H. [40 CFR 63.163(e)(6)(i)]
- 571 [40 CFR 63.163(e)(6)] Pumps in light liquid service (dual mechanical seal system): Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after the leak is detected, except as provided in 40 CFR 63.171. Comply with this requirement instead of the requirements in 40 CFR 63.163(a) through (d). Subpart H. [40 CFR 63.163(e)(6)]
- 572 [40 CFR 63.163(e)] Pumps in light liquid service (dual mechanical seal system - sensor): Equipment/operational data monitored by visual inspection/determination daily, or equip with an audible alarm unless the pump is located within the boundary of an unmanned plant site. If the sensor indicates failure of the seal system, the barrier fluid system, or both based on the criteria established in 40 CFR 63.163(e)(6), a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.163(e)(6). Comply with this requirement instead of the requirements in 40 CFR 63.163(a) through (d). Subpart H. [40 CFR 63.163(e)]
- 573 [40 CFR 63.163(h)] Which Months: All Year Statistical Basis: None specified  
Pumps in light liquid service (unmanned plant site): Presence of a leak monitored by visual inspection/determination at the regulation's specified frequency. Monitor each pump as often as practicable and at least monthly. Comply with this requirement instead of the weekly visual inspection requirement of 40 CFR 63.163(b)(3) and (e)(4), and the daily requirements of 40 CFR 63.163(e)(5). Subpart H. [40 CFR 63.163(h)]
- 574 [40 CFR 63.163(j)(1)] Which Months: All Year Statistical Basis: None specified  
Pumps in light liquid service (unsafe-to-monitor): Determine that the pump is unsafe-to-monitor because monitoring personnel would be exposed to an immediate danger as a consequence of complying with 40 CFR 63.163(b) through (d). Comply with this requirement instead of the requirements in 40 CFR 63.163(b) through (e). Subpart H. [40 CFR 63.163(j)(1)]
- 575 [40 CFR 63.163(j)(2)] Pumps in light liquid service (unsafe-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Maintain a written plan that requires monitoring of the pump as frequently as practicable during safe-to-monitor times but not more frequently than the periodic monitoring schedule otherwise applicable. Comply with this requirement instead of the requirements in 40 CFR 63.163(b) through (e). Subpart H. [40 CFR 63.163(j)(2)]
- 576 [40 CFR 63.164(a)] Which Months: All Year Statistical Basis: None specified  
Compressors: Equip with a seal system that includes a barrier fluid system and that prevents leakage of process fluid to the atmosphere, except as provided in 40 CFR 63.162(b) and 40 CFR 63.164(h) and (i). Subpart H. [40 CFR 63.164(a)]
- 577 [40 CFR 63.164(b)] Compressors: Operate the seal system with the barrier fluid at a pressure that is greater than the compressor stuffing box pressure; or equip with a barrier fluid system degassing reservoir that is routed to a process or fuel gas system or connected by a closed-vent system to a control device that complies with the requirements of 40 CFR 63.172; or equip with a closed-loop system that purges the barrier fluid directly into a process stream. Subpart H. [40 CFR 63.164(b)]
- 578 [40 CFR 63.164(c)] Compressors: Ensure that the barrier fluid is not in light liquid service. Subpart H. [40 CFR 63.164(c)]
- 579 [40 CFR 63.164(d)] Compressors: Equip each barrier fluid system as described in 40 CFR 63.164(a) through (c) with a sensor that will detect failure of the seal system, barrier fluid system, or both. Subpart H. [40 CFR 63.164(d)]
- 580 [40 CFR 63.164(e)(2)] Compressors (sensor): Determine, based on design considerations and operating experience, a criterion that indicates failure of the seal system, the barrier fluid system, or both. Subpart H. [40 CFR 63.164(e)(2)]
- 581 [40 CFR 63.164(g)] Compressors: Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after each leak is detected, except as provided in 40 CFR 63.171. Subpart H. [40 CFR 63.164(g)]

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- 582 [40 CFR 63.164(i)(2)] Compressors (no detectable emissions): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once initially; and annually, and at other times requested by DEQ. Comply with this requirement instead of the requirements in 40 CFR 63.164(a) through (h). Subpart H. [40 CFR 63.164(i)(2)]  
 Which Months: All Year Statistical Basis: None specified
- 583 [40 CFR 63.164] Compressors (sensor): Equipment/operational data monitored by visual inspection/determination daily, or equip with an alarm, unless the compressor is located within the boundary of an unmanned plant site. If the sensor indicates failure of the seal system, the barrier fluid system, or both based on the criterion determined under 40 CFR 63.164(e)(2), a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.164(g). Subpart H.  
 Which Months: All Year Statistical Basis: None specified
- 584 [40 CFR 63.165(a)] Pressure relief device in gas/vapor service: Organic HAP < 500 ppm above background except during pressure releases, as determined by the method specified in 63.180(c). Subpart H. [40 CFR 63.165(a)]  
 Which Months: All Year Statistical Basis: None specified
- 585 [40 CFR 63.165(b)(1)] Pressure relief devices in gas/vapor service: After each pressure release, return to a condition indicated by an instrument reading of less than 500 ppm above background, as soon as practicable, but no later than 5 calendar days after each pressure release, except as provided in 40 CFR 63.171. Subpart H. [40 CFR 63.165(b)(1)]
- 586 [40 CFR 63.165(b)(2)] Pressure relief devices in gas/vapor service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 within 5 days (calendar) after the pressure release and being returned to organic HAP service, to confirm the condition indicated by an instrument reading of less than 500 ppm above background, as measured by the method specified in 40 CFR 63.180(c). Subpart H. [40 CFR 63.165(b)(2)]  
 Which Months: All Year Statistical Basis: None specified
- 587 [40 CFR 63.165(d)(2)] Pressure relief devices in gas/vapor service (rupture disk): After each pressure release, install a new rupture disk upstream of the pressure relief device as soon as practicable, but no later than 5 calendar days after each pressure release, except as provided in 40 CFR 63.171. Comply with this requirement instead of the requirements in 40 CFR 63.165(a) and (b). Subpart H. [40 CFR 63.165(d)(2)]
- 588 [40 CFR 63.166] Sampling connection systems: Equip with a closed-purge, closed-loop, or closed-vent system, except as provided in 40 CFR 63.162(b). Operate the system as specified in 40 CFR 63.166(b). Subpart H.  
 Open-ended valves or lines: Equip with a cap, blind flange, plug, or a second valve, except as provided in 40 CFR 63.162(b) and 40 CFR 63.167(d) and (e). Ensure that the cap, blind flange, plug or second valve seals the open end at all times except during operations requiring process fluid flow through the open-ended valve or line, or during maintenance or repair. Operate each open-ended valve or line equipped with a second valve in a manner such that the valve on the process fluid end is closed before the second valve is closed. Subpart H.
- 590 [40 CFR 63.168(c)] Valves in gas/vapor service or light liquid service (Phase I): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 quarterly, as specified in 40 CFR 63.180(b). If an instrument reading of 10,000 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.168(f). Subpart H. [40 CFR 63.168(c)]  
 Which Months: All Year Statistical Basis: None specified
- 591 [40 CFR 63.168(c)] Valves in gas/vapor service or light liquid service (Phase II): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 quarterly, as specified in 40 CFR 63.180(b). If an instrument reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.168(f). Subpart H. [40 CFR 63.168(c)]  
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- 592 [40 CFR 63.168(d)(1)] Valves in gas/vapor service or light liquid service (Phase III, 2 percent or greater leaking valves): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 monthly, as specified in 40 CFR 63.180(b); or implement a quality improvement program for valves that complies with the requirements of 40 CFR 63.175 and monitor quarterly. If an instrument reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.168(f). If electing to implement a quality improvement program, follow the procedures in 40 CFR 63.175. Subpart H. [40 CFR 63.168(d)(1)]  
 Which Months: All Year Statistical Basis: None specified
- 593 [40 CFR 63.168(d)(2)] Valves in gas/vapor service or light liquid service (Phase III, less than 2 percent leaking valves): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 quarterly, as specified in 40 CFR 63.180(b). If an instrument reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.168(f). Permittee may elect to comply with the alternate standards in 40 CFR 63.168(d)(3) and (d)(4). Subpart H. [40 CFR 63.168(d)(2)]  
 Which Months: All Year Statistical Basis: None specified
- 594 [40 CFR 63.168(e)(1)] Valves in gas/vapor service or light liquid service: Determine percent leaking valves using the equation in 40 CFR 63.168(e)(1). Subpart H. [40 CFR 63.168(e)(1)]
- 595 [40 CFR 63.168(f)(3)] Valves in gas/vapor service or light liquid repair: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once within three months (at least) after repair to determine whether the valve has resumed leaking. Subpart H. [40 CFR 63.168(f)(3)]  
 Which Months: All Year Statistical Basis: None specified
- 596 [40 CFR 63.168(f)] Valves in gas/vapor service or light liquid service: Make a first attempt at repair no later than 5 calendar days after a leak is detected, and complete repairs no later than 15 calendar days after the leak is detected, except as provided in 40 CFR 63.171. Subpart H. [40 CFR 63.168(f)]
- 597 [40 CFR 63.168(h)(1)] Valves in gas/vapor service or light liquid service (unsafe-to-monitor): Demonstrate that the valve is unsafe to monitor because monitoring personnel would be exposed to an immediate danger as a consequence of complying with 40 CFR 63.168(b) through (d). Comply with this requirement instead of the requirements in 40 CFR 63.168(b) through (f). Subpart H. [40 CFR 63.168(h)(1)]
- 598 [40 CFR 63.168(h)(2)] Valves in gas/vapor service or light liquid service (unsafe-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Maintain a written plan that requires monitoring of the valves as frequently as practicable during safe-to-monitor times, but not more frequently than the periodic monitoring schedule otherwise applicable. Comply with this requirement instead of the requirements in 40 CFR 63.168(b) through (f). Subpart H. [40 CFR 63.168(h)(2)]  
 Which Months: All Year Statistical Basis: None specified
- 599 [40 CFR 63.168(i)(1)] Valves in gas/vapor service or light liquid service (difficult-to-monitor): Demonstrate that the valve cannot be monitored without elevating the monitoring personnel more than 2 meters above a support surface or it is not accessible at anytime in a safe manner. Comply with this requirement instead of the requirements in 40 CFR 63.168(b) through (d). Subpart H. [40 CFR 63.168(i)(1)]
- 600 [40 CFR 63.168(i)(3)] Valves in gas/vapor service or light liquid service (difficult-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 annually. Maintain a written plan that requires monitoring of the valves at least once per calendar year. Comply with this requirement instead of the requirements in 40 CFR 63.168(b) through (d). Subpart H. [40 CFR 63.168(i)(3)]  
 Which Months: All Year Statistical Basis: None specified

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**AI ID: 286 - ExxonMobil Baton Rouge Chemical Plant**  
**Activity Number: PER20090019**  
**Permit Number: 2031-V8**  
**Air - Title V Regular Permit Major Mod**

**FUG 0048 U-47J - ACLA RACK FUGITIVES FOR C4/C5 LOADING**

- 601 [40 CFR 63.169(a)] Pumps, valves, connectors, and agitators in heavy liquid service; instrumentation systems; and pressure relief devices in liquid service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 within 5 days (calendar) if evidence of a potential leak to the atmosphere is found by visible, audible, olfactory, or any other detection method. If a reading of 10,000 ppm for agitators, 5,000 ppm for pumps handling polymerizing monomers, 2,000 ppm for all other pumps (including pumps in food/medical service), or 500 ppm for valves, connectors, instrumentation systems, and pressure relief devices, or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.169(c). Subpart H. [40 CFR 63.169(a)]  
 Which Months: All Year Statistical Basis: None specified
- 602 [40 CFR 63.169(c)] Pumps, valves, connectors, and agitators in heavy liquid service; instrumentation systems; and pressure relief devices in liquid service: Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after it each leak is detected, except as provided in 40 CFR 63.171. Subpart H. [40 CFR 63.169(c)]
- 603 [40 CFR 63.170] Surge control vessels and bottoms receivers: Equip with a closed-vent system that routes the organic vapors vented from the surge control vessel or bottoms receiver back to the process or to a control device that complies with the requirements of 40 CFR 63.172, except as provided in 40 CFR 63.162(b), or comply with the requirements of 40 CFR 63.119(b) or (c), if surge control vessel or bottoms receiver is not routed back to the process and meets the conditions specified in 40 CFR 63 Subpart H Table 2 or Table 3. Subpart H.
- 604 [40 CFR 63.172(f)(1)(i)] Closed-vent system (hard-piping): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once initially according to the procedures in 40 CFR 63.180(b). If an instrument reading greater than 500 ppm above background is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.172(h). Subpart H. [40 CFR 63.172(f)(1)(i)]  
 Which Months: All Year Statistical Basis: None specified
- 605 [40 CFR 63.172(f)(1)(ii)] Closed-vent system (hard-piping): Presence of a leak monitored by visual, audible, and/or olfactory annually. If a leak is detected, initiate repair provisions in 40 CFR 63.172(h). Subpart H. [40 CFR 63.172(f)(1)(ii)]  
 Which Months: All Year Statistical Basis: None specified
- 606 [40 CFR 63.172(f)(2)(i)] Closed-vent system (duct work): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once initially according to the procedures in 40 CFR 63.180(b). If an instrument reading greater than 500 ppm above background is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.172(h). Subpart H. [40 CFR 63.172(f)(2)(i)]  
 Which Months: All Year Statistical Basis: None specified
- 607 [40 CFR 63.172(f)(2)(ii)] Closed-vent system (duct work): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 annually according to the procedures in 40 CFR 63.180(b). If an instrument reading greater than 500 ppm above background is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.172(h). Subpart H. [40 CFR 63.172(f)(2)(ii)]  
 Which Months: All Year Statistical Basis: None specified
- 608 [40 CFR 63.172(h)] Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after it each leak is detected, except as provided in 40 CFR 63.172(i). Subpart H. [40 CFR 63.172(h)]
- 609 [40 CFR 63.172(j)(1)] Closed-vent system (bypass lines): Flow monitored by flow indicator once every 15 minutes. Install flow indicator at the entrance to any bypass line. Subpart H. [40 CFR 63.172(j)(1)]  
 Which Months: All Year Statistical Basis: None specified
- 610 [40 CFR 63.172(j)(1)] Closed-vent system (bypass lines): Flow recordkeeping by electronic or hard copy once every 15 minutes. Generate records as specified in 40 CFR 63.118(a)(3). Subpart H. [40 CFR 63.172(j)(1)]

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- 611 [40 CFR 63.172(j)(2)] Closed-vent system (bypass lines): Secure the bypass line valve in the non-diverting position with a car-seal or a lock-and-key type configuration. Subpart H. [40 CFR 63.172(j)(2)]
- 612 [40 CFR 63.172(j)(2)] Closed-vent system (bypass lines): Seal or closure mechanism monitored by visual inspection/determination monthly to ensure the valve is maintained in the non-diverting position and the vent stream is not diverted through the bypass line. Subpart H. [40 CFR 63.172(j)(2)]  
 Which Months: All Year Statistical Basis: None specified
- 613 [40 CFR 63.172(k)(1)] Closed-vent system (unsafe-to-inspect): Demonstrate that the equipment is unsafe to inspect because inspecting personnel would be exposed to an imminent or potential dangers as a consequence of complying with 40 CFR 63.172(f)(1) or (f)(2). Comply with this requirement instead of the requirements in 40 CFR 63.172(f)(1) and (f)(2). Subpart H. [40 CFR 63.172(k)(1)]
- 614 [40 CFR 63.172(k)(2)] Closed-vent system (unsafe-to-inspect): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Maintain a written plan that requires inspection of the equipment as frequently as practicable during safe-to-inspect times, but not more frequently than annually. Comply with this requirement instead of the requirements in 40 CFR 63.172(f)(1) and (f)(2). Subpart H. [40 CFR 63.172(k)(2)]  
 Which Months: All Year Statistical Basis: None specified
- 615 [40 CFR 63.172(l)(1)] Closed-vent system (difficult-to-inspect): Demonstrate that the equipment cannot be inspected without elevating the inspecting personnel more than 2 meters above a support surface. Comply with this requirement instead of the requirements in 40 CFR 63.172(f)(1) and (f)(2). Subpart H. [40 CFR 63.172(l)(1)]
- 616 [40 CFR 63.172(l)(2)] Closed-vent system (difficult-to-inspect): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once every five years. Maintain a written plan that requires inspection of the equipment at least once every five years. Comply with this requirement instead of the requirements in 40 CFR 63.172(f)(1) and (f)(2). Subpart H. [40 CFR 63.172(l)(2)]  
 Which Months: All Year Statistical Basis: None specified
- 617 [40 CFR 63.172(m)] Ensure that the closed-vent system or control device is operating whenever organic HAP emissions are vented to the closed-vent system or control device. Subpart H. [40 CFR 63.172(m)]
- 618 [40 CFR 63.173(a)] Agitators in gas/vapor service or light liquid service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 monthly to detect leaks, as specified in 40 CFR 63.180(b). If an instrument reading of 10,000 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.173(c). Subpart H. [40 CFR 63.173(a)]  
 Which Months: All Year Statistical Basis: None specified
- 619 [40 CFR 63.173(b)] Agitators in gas/vapor service or light liquid service: Presence of a leak monitored by visual inspection/determination weekly (calendar) for indications of liquids dripping from the agitator. If there are indications of liquids dripping from the agitator, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.173(c). Subpart H. [40 CFR 63.173(b)]  
 Which Months: All Year Statistical Basis: None specified
- 620 [40 CFR 63.173(c)] Agitators in gas/vapor service or light liquid service: Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after it each leak is detected, except as provided in 40 CFR 63.171. Subpart H. [40 CFR 63.173(c)]

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**FUG 0048 U-47J - ACLA RACK FUGITIVES FOR C4/C5 LOADING**

- 621 [40 CFR 63.173(d)(1)] Agitators in gas/vapor service and light liquid service (dual mechanical seal system): Operate with the barrier fluid at a pressure that is at all times greater than the agitator stuffing box pressure; or equip with a barrier fluid degassing reservoir that is routed to a process or fuel gas system or connected by a closed-vent system to a control device that complies with the requirements of 40 CFR 63.172; or equip with a closed-loop system that purges the barrier fluid into a process stream. Comply with this requirement instead of the requirements in 40 CFR 63.173(a). Subpart H. [40 CFR 63.173(d)(1)]
- 622 [40 CFR 63.173(d)(2)] Agitators in gas/vapor service and light liquid service (dual mechanical seal system): Ensure that the barrier fluid is not in light liquid organic HAP service. Comply with this requirement instead of the requirements in 40 CFR 63.173(a). Subpart H. [40 CFR 63.173(d)(2)]
- 623 [40 CFR 63.173(d)(3)] Agitators in gas/vapor service and light liquid service (dual mechanical seal system): Equip barrier fluid system with a sensor that will detect failure of the seal system, barrier fluid system, or both. Comply with this requirement instead of the requirements in 40 CFR 63.173(a). Subpart H. [40 CFR 63.173(d)(3)]
- 624 [40 CFR 63.173(d)(4)] Agitators in gas/vapor service or light liquid service (dual mechanical seal system): Presence of a leak monitored by visual inspection/determination weekly (calendar). Monitor for indications of liquids dripping from the agitator seal. If there are indications of liquid dripping from the agitator seal at the time of the weekly inspection, monitor the agitator as specified in 40 CFR 63.180(b) to determine the presence of organic HAP in the barrier fluid. If an instrument reading of 10,000 ppm or greater is measured, a leak is detected. If a leak is detected, initiate the repair provisions in 40 CFR 63.173(d)(6). Comply with this requirement instead of the requirements in 40 CFR 63.173(a). Subpart H. [40 CFR 63.173(d)(4)]
- 625 [40 CFR 63.173(d)(6)(i)] Which Months: All Year Statistical Basis: None specified  
 Agitators in gas/vapor service and light liquid service (dual mechanical seal system): Determine, based on design considerations and operating experience, criteria that indicates failure of the seal system, the barrier fluid system, or both. Comply with this requirement instead of the requirements in 40 CFR 63.173(a). Subpart H. [40 CFR 63.173(d)(6)(i)]
- 626 [40 CFR 63.173(d)(6)] Agitators in gas/vapor service and light liquid service (dual mechanical seal system): Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after the leak is detected, except as provided in 40 CFR 63.171. Comply with this requirement instead of the requirements in 40 CFR 63.173(a). Subpart H. [40 CFR 63.173(d)(6)]
- 627 [40 CFR 63.173(d)] Agitators in gas/vapor service or light liquid service (dual mechanical seal system - sensor): Equipment/operational data monitored by visual inspection/determination daily, or equip with an audible alarm unless the agitator is located within the boundary of an unmanned plant site. If the sensor indicates failure of the seal system, the barrier fluid system, or both based on the criteria established in 40 CFR 63.173(d)(6), a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.173(d)(6). Comply with this requirement instead of the requirements in 40 CFR 63.173(a). Subpart H. [40 CFR 63.173(d)]
- 628 [40 CFR 63.173(g)] Which Months: All Year Statistical Basis: None specified  
 Agitators in gas/vapor service or light liquid service (unmanned plant site): Presence of a leak monitored by visual inspection/determination at the regulation's specified frequency. Monitor each agitator as often as practicable and at least monthly. Comply with this requirement instead of the weekly visual inspection requirement of 40 CFR 63.173(b)(1) and (d)(4), and the daily requirements of 40 CFR 63.173(d)(5). Subpart H. [40 CFR 63.173(g)]
- 629 [40 CFR 63.173(h)(1)] Which Months: All Year Statistical Basis: None specified  
 Agitators in gas/vapor service or light liquid service (difficult to monitor): Demonstrate that the agitator cannot be monitored without elevating the monitoring personnel more than two meters above a support surface or it is not accessible at anytime in a safe manner. Comply with this requirement instead of the requirements in 40 CFR 63.173(a) through (d). Subpart H. [40 CFR 63.173(h)(1)]

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**FUG 0048 U-47J - ACLA RACK FUGITIVES FOR C4/C5 LOADING**

- 630 [40 CFR 63.173(h)(3)] Agitators in gas/vapor service or light liquid service (difficult-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 annually. Maintain a written plan that requires monitoring of the agitator at least once per calendar year. Comply with this requirement instead of the requirements in 40 CFR 63.173(a) through (d). Subpart H. [40 CFR 63.173(h)(3)]  
Which Months: All Year Statistical Basis: None specified
- 631 [40 CFR 63.173(j)(1)] Agitators in gas/vapor service or light liquid service (unsafe-to-monitor): Demonstrate that the agitator is unsafe to monitor because monitoring personnel would be exposed to an immediate danger as a consequence of complying with 40 CFR 63.173(a) through (d). Comply with this requirement instead of the requirements in 40 CFR 63.173(a) through (d). Subpart H. [40 CFR 63.173(j)(1)]  
Agitators in gas/vapor service or light liquid service (unsafe-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Maintain a written plan that requires monitoring of the agitator as frequently as practicable during safe-to-monitor times, but not more frequently than the periodic monitoring schedule otherwise applicable. Comply with this requirement instead of the requirements in 40 CFR 63.173(a) through (d). Subpart H. [40 CFR 63.173(j)(2)]  
Which Months: All Year Statistical Basis: None specified
- 632 [40 CFR 63.173(j)(2)] Agitators in gas/vapor service or light liquid service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once within 12 months after the compliance date, except as provided in 40 CFR 63.174(f) through (h). If an instrument reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.174(d). Subpart H. [40 CFR 63.174(b)(1)]  
Which Months: All Year Statistical Basis: None specified
- 633 [40 CFR 63.174(b)(1)] Connectors in gas/vapor service or light liquid service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once within the first 12 months after initial startup or by no later than 12 months after the date of promulgation of a specific subpart that references 40 CFR 63 Subpart H, whichever is later, except as specified in 40 CFR 63.174(f) through (h). If an instrument reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.174(d). Subpart H. [40 CFR 63.174(b)(2)]  
Which Months: All Year Statistical Basis: None specified
- 634 [40 CFR 63.174(b)(2)] Connectors in gas/vapor service or light liquid service (0.5% or greater leaking): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 annually. Subpart H. [40 CFR 63.174(b)(3)(i)]  
Which Months: All Year Statistical Basis: None specified
- 635 [40 CFR 63.174(b)(3)(i)] Connectors in gas/vapor service or light liquid service (less than 0.5% leaking): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once every two years. Subpart H. [40 CFR 63.174(b)(3)(ii)]  
Which Months: All Year Statistical Basis: None specified
- 636 [40 CFR 63.174(b)(3)(ii)] Connectors in gas/vapor service or light liquid service (opened or otherwise had the seal broken): Presence of a leak monitored by 40 CFR 60, Appendix A, Method 21 within three months after being returned to organic HAP service or when it is reconnected. If monitoring detects a leak, repair according to the provisions of 40 CFR 63.174(d), as specified, except as provided in 40 CFR 63.174(c)(1)(ii). Subpart H. [40 CFR 63.174(c)(1)(i)]  
Which Months: All Year Statistical Basis: None specified
- 637 [40 CFR 63.174(c)(1)(i)] Connectors in gas/vapor service or light liquid service (2 inches or less in nominal diameter): Comply with the requirements of 40 CFR 63.169. Subpart H. [40 CFR 63.174(c)(2)(i)]

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- 639 [40 CFR 63.174(c)(2)(ii)] Connectors in gas/vapor service or light liquid service (2 inches or less in nominal diameter): Organic HAP monitored by technically sound method within three months after being returned to organic HAP service after having been opened or otherwise had the seal broken. If monitoring detects a leak, implement repair provisions in 40 CFR 63.174(d). Subpart H. [40 CFR 63.174(c)(2)(ii)]  
Which Months: All Year Statistical Basis: None specified
- 640 [40 CFR 63.174(d)] Connectors in gas/vapor service or light liquid service: Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after it each leak is detected, except as provided in 40 CFR 63.171 and 63.174(g). Subpart H. [40 CFR 63.174(d)]
- 641 [40 CFR 63.174(f)(1)] Connectors in gas/vapor service or light liquid service (unsafe-to-monitor): Demonstrate that the connector is unsafe to monitor because personnel would be exposed to an immediate danger as a result of complying with 40 CFR 63.174(a) through (c). Comply with this requirement instead of the requirements in 40 CFR 63.174(a). Subpart H. [40 CFR 63.174(f)(1)]
- 642 [40 CFR 63.174(f)(2)] Connectors in gas/vapor service or light liquid service (unsafe-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Maintain a written plan that requires monitoring of connectors as frequently as practicable during safe to monitor times, but not more frequently than the periodic schedule otherwise applicable. Comply with this requirement instead of the requirements in 40 CFR 63.174(a). Subpart H. [40 CFR 63.174(f)(2)]  
Which Months: All Year Statistical Basis: None specified
- 643 [40 CFR 63.174(g)] Connectors in gas/vapor service or light liquid service (unsafe-to-repair): Demonstrate that repair personnel would be exposed to an immediate danger as a consequence of complying with 40 CFR 63.174(d). Comply with this requirement instead of the requirements in 40 CFR 63.174(a), (d), and (e). Subpart H. [40 CFR 63.174(g)]
- 644 [40 CFR 63.174(h)(2)] Connectors in gas/vapor service or light liquid service (inaccessible, ceramic, or ceramic-lined): Make a first attempt at repair within 5 days after leak is detected by visual, audible, olfactory or other means, and complete repairs no later than 15 calendar days after leak is detected, except as provided in 40 CFR 63.171 and 63.174(g). Comply with this requirement instead of the monitoring requirements of 40 CFR 63.174(a) and (c) and from the recordkeeping and reporting requirements of 40 CFR 63.181 and 63.182. Subpart H. [40 CFR 63.174(h)(2)]
- 645 [40 CFR 63.174(i)] Connectors in gas/vapor service or light liquid service: Calculate percent leaking connectors as specified in 40 CFR 63.174(i)(1) and (i)(2). Subpart H. [40 CFR 63.174(i)]
- 646 [40 CFR 63.180] Comply with the test methods and procedures requirements provided in 40 CFR 63.180. Subpart H.
- 647 [40 CFR 63.181] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records as specified in 40 CFR 63.181(a) through (k). Subpart H.
- 648 [40 CFR 63.182(b)] Submit application: Due as soon as practicable before the construction or reconstruction is planned to commence (but it need not be sooner than 90 days after the date of promulgation of the subpart that references 40 CFR 63 Subpart H). Submit application for approval of construction or reconstruction required by 40 CFR 63.5(d) in lieu of the Initial Notification. Subpart H. [40 CFR 63.182(b)]
- 649 [40 CFR 63.182(b)] Submit Initial Notification: Due within 90 days after the date of promulgation of the subpart that references 40 CFR 63 Subpart H. Include the information specified in 40 CFR 63.182(b)(1). Subpart H. [40 CFR 63.182(b)]
- 650 [40 CFR 63.182(b)] Submit Initial Notification: Due within 120 days after the date of promulgation of the subpart that references 40 CFR 63 Subpart H. Include the information specified in 40 CFR 63.182(b)(1). Subpart H. [40 CFR 63.182(b)]
- 651 [40 CFR 63.182(c)] Submit Notification of Compliance Status: Due within 90 days of the compliance dates specified in the 40 CFR 63 subpart that references 40 CFR 63 Subpart H. Include the information specified in 40 CFR 63.182(c)(1) through (c)(3). Subpart H. [40 CFR 63.182(c)]

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- 652 [40 CFR 63.182(d)] Submit Periodic Reports: Due semiannually starting 6 months after the Notification of Compliance Status, as required in 40 CFR 63.182(c). Include the information specified in 40 CFR 63.182(d)(2) through (d)(4). Subpart H. [40 CFR 63.182(d)]
- 653 [40 CFR 63.Subpart YY] Comply with 40 CFR 63 Subpart H in accordance with streamlined LDAR fugitives monitoring program defined in Appendix A.
- 654 [LAC 33:III.2122] Comply with 40 CFR 63 Subpart H in accordance with streamlined LDAR fugitives monitoring program defined in Appendix A.
- 655 [LAC 33:III.5109 Non.HON.M] Comply with 40 CFR 63 Subpart H in accordance with streamlined LDAR fugitives monitoring program defined in Appendix A.

**GRP 0150 S-200 - STEAM CRACKING FURNACES CAP**

**Group Members: EQT 0686EQT 0687EQT 0688EQT 0689EQT 0690EQT 0691EQT 0694EQT 0695EQT 0698EQT 0704**

656 [40 CFR 70.]

For the cracking furnaces in the OLA-2X and ECLA-W areas (S-1, S-2, S-3, S-6, S-7, S-8, S-26, S-84, S-105 & S-106), the maximum combined firing rate (CAP, Emission Point No. S-200) shall be limited to no more than 21,024,000 MM BTU/yr. The total fuel gas heat input to the cracking furnaces shall be recorded each month, as well as the total heat input to the cracking furnaces for the last twelve months. These records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Heat input above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. A report showing the cap firing rate for the preceding calendar year shall be submitted to the Enforcement Division by March 31. This cap was established in Permit 2031 (M-1) issued 7/24/92 to maintain SO2 emission increases less than 40 TPY.

**GRP 0151 S-210 - MOX BOILERS CAP**

**Group Members: EQT 0699EQT 0700EQT 0701EQT 0702EQT 0703**

657 [40 CFR 70.]

For the five MOX boilers (Emission Point Nos. S-33, S-34, S-35, S-36, S-74), the maximum combined firing rate(CAP, Emission Point No. S-210) shall be limited to no more than 8,410,000 MM BTU/yr. The total fuel gas heat input to the five MOX boilers shall be recorded each month, as well as the total heat input to the five MOX boilers for the last twelve months. These records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Heat input above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Section. A report showing the cap firing rate for the preceding calendar year shall be submitted to the Enforcement Division by March 31. This cap was established in Permit 2153 issued 7/31/92 to maintain SO2 emission increases less than 40 TPY.

**RLP 0110 M-79 - MAINTRAIN DESICCANT/CATALYST LOADING**

658 [LAC 33:III.1305]

Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7.

**SPECIFIC REQUIREMENTS**

**AI ID: 286 - ExxonMobil Baton Rouge Chemical Plant**  
**Activity Number: PER20090019**  
**Permit Number: 2031-V8**  
**Air - Title V Regular Permit Major Mod**

**RLP 0110 M-79 - MAINTRAIN DESICCANT/CATALYST LOADING**

659 [LAC 33:III.5109.A]

Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Using industry work practice controls to minimize dust emissions is determined as MACT. Applicable controls are dependent on the vessel configuration, type of catalyst and catalyst bed requirements. Controls include sock loading, hopper loading, covering the reactor during loading, sieving of catalyst by the vendor, wetting the catalyst or reduction of catalyst free-fall during the loading process.

**RLP 0111 V-398 - CONDENSATE DEAERATOR AND VENT DRUMS**

660 [LAC 33:III.2115.K]

Equipment/operational data recordkeeping by electronic or hard copy as needed. Maintain records to demonstrate that the criteria are being met for any exemption claimed. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request.

661 [LAC 33:III.5109.A]

Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Monitoring the hydrocarbon concentration in the condensate is determined as MACT.

**RLP 0112 V-97 - EPLA-W ACETYLENE CONVERTER/PROPYLENE HYDROFINER (SD-35) VENT**

662 [LAC 33:III.2115.K]

Equipment/operational data recordkeeping by electronic or hard copy as needed. Maintain records to demonstrate that the criteria are being met for any exemption claimed. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request.

**RLP 0117 V-07 - DETOLUENIZER TOWER**

663 [40 CFR 63.1103(e)(3)]

Reduce HAP by using a flare meeting the requirements specified in 40 CFR 63.982(b). Subpart YY. [40 CFR 63.1103(e)(3)]

664 [40 CFR 63.983(a)(3)(ii)]

Closed-vent systems (containing bypass lines): Secure the bypass line valve in the non-diverting position with a car-seal or a lock-and-key type configuration. Subpart SS. [40 CFR 63.983(a)(3)(ii)]

665 [40 CFR 63.999(c)]

Submit Periodic Report: Due as specified in the referencing subpart. Include the applicable information specified in 40 CFR 63.999(c)(1) through (c)(7). Subpart SS. [40 CFR 63.999(c)]

**RLP 0118 V-239 - V-DISTILLATION TOWERS T-1X, T-10X(DILA FRONT END)**

666 [LAC 33:III.2147.E.5.b]

Vent system (bypass lines): Seal or closure mechanism monitored by visual inspection/determination monthly to ensure that the valve is maintained in the closed position and the vent stream is not diverted through the bypass line.

Which Months: All Year Statistical Basis: None specified

667 [LAC 33:III.2147.F]

Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2147.F.1 through F.4, as applicable.

668 [LAC 33:III.5109.A]

Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Using a closed-vent and control system is determined as MACT.

**RLP 0119 V-341A - VENTS FROM VESSELS IN OLA-2X, EPLA-W, AND ECLA-W AREAS (NOT EMACT)**

**SPECIFIC REQUIREMENTS**

**AI ID: 286 - ExxonMobil Baton Rouge Chemical Plant**  
**Activity Number: PER20090019**  
**Permit Number: 2031-V8**  
**Air - Title V Regular Permit Major Mod**

**RLP 0119 V-341A - VENTS FROM VESSELS IN OLA-2X, EPLA-W, AND ECLA-W AREAS (NOT EMACT)**

- 669 [LAC 33:III.2147.E.5.b] Vent system (bypass lines): Seal or closure mechanism monitored by visual inspection/determination monthly to ensure that the valve is maintained in the closed position and the vent stream is not diverted through the bypass line.  
 Which Months: All Year Statistical Basis: None specified
- 670 [LAC 33:III.2147.F] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2147.F.1 through F.4, as applicable.
- 671 [LAC 33:III.5109.A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Using a closed-vent and control system is determined as MACT.

**RLP 0120 V-341B - VENTS FROM VESSELS IN OLA-2X, EPLA-W, AND ECLA-W ARE**

- 672 [40 CFR 63.1103(c)(3)] Reduce HAP by using a flare meeting the requirements specified in 40 CFR 63.982(b). Subpart YY. [40 CFR 63.1103(c)(3)]
- 673 [40 CFR 63.983(a)(3)(ii)] Closed-vent systems (containing bypass lines): Secure the bypass line valve in the non-diverting position with a car-seal or a lock-and-key type configuration. Subpart SS. [40 CFR 63.983(a)(3)(ii)]
- 674 [40 CFR 63.999(c)] Submit Periodic Report: Due as specified in the referencing subpart. Include the applicable information specified in 40 CFR 63.999(c)(1) through (c)(7). Subpart SS. [40 CFR 63.999(c)]
- 675 [LAC 33:III.5109.A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Compliance with the requirements of 40 CFR 63 Subpart YY for process vents is determined as MACT.

**RLP 0122 V-376 - OLA-2X (KZD-52) FLARE DRUM**

- 676 [40 CFR 61.343(a)(1)(i)(A)] Fixed roof: Ensure that the cover and all openings are designed to operate with no detectable emissions as indicated by an instrument reading less than 500 ppmv above background, as determined initially and thereafter at least once per year by the methods specified in 40 CFR 61.355(h). Subpart FF. [40 CFR 61.343(a)(1)(i)(A)]
- 677 [40 CFR 61.343(c)] Fixed-roof: Equipment/operational data monitored by visual inspection/determination once initially and once every quarter thereafter to ensure that no cracks or gaps occur and that access doors and other openings are closed and gasketed properly. Subpart FF. [40 CFR 61.343(c)]  
 Which Months: All Year Statistical Basis: None specified
- 678 [40 CFR 61.343(d)] Make first efforts at repair as soon as practicable, but not later than 45 calendar days after a broken seal or gasket or other problem is identified, or when detectable emissions are measured, except as provided in 40 CFR 61.350. Subpart FF. [40 CFR 61.343(d)]
- 679 [40 CFR 61.349(a)(1)(i)] Closed-vent system: Operate with no detectable emissions as indicated by an instrument reading of less than 500 ppmv above background, as determined initially and thereafter at least once per year by the methods specified in 40 CFR 61.355(h). Subpart FF. [40 CFR 61.349(a)(1)(i)]
- 680 [40 CFR 61.349(f)] Equipment/operational data monitored by visual inspection/determination once initially and once every quarter thereafter. Include inspection of ductwork and piping and connections to covers and control devices for evidence of visible defects such as holes in ductwork or piping and loose connections. Subpart FF. [40 CFR 61.349(f)]  
 Which Months: All Year Statistical Basis: None specified

**SPECIFIC REQUIREMENTS**

**AJ ID: 286 - ExxonMobil Baton Rouge Chemical Plant**

**Activity Number: PER20090019**

**Permit Number: 2031-V8**

**Air - Title V Regular Permit Major Mod**

**RLP 0122 V-376 - OLA-2X (KZD-52) FLARE DRUM**

- 681 [40 CFR 61.349(g)] Make a first effort to repair the closed-vent system and control device as soon as practicable but no later than 5 calendar days after visible defects are observed during an inspection, or if other problems are identified, or if detectable emissions are measured, except as provided in 40 CFR 61.350. Complete repair no later than 15 calendar days after the emissions are detected or the visible defect is observed. Subpart FF. [40 CFR 61.349(g)]
- 682 [40 CFR 61.354(d)(1)] Closed-vent system (bypass line): Seal or closure mechanism monitored by visual inspection/determination monthly. Check the position of the valve and the condition of the car-seal or closure mechanism required under 40 CFR 61.349(a)(1)(ii) to ensure that the valve is maintained in the closed position and the vent stream is not diverted through the bypass line. Subpart FF. [40 CFR 61.354(f)(1)]  
Which Months: All Year Statistical Basis: None specified
- 683 [40 CFR 61.356] Equipment/operational data recordkeeping by electronic or hard copy continuously Maintain records as specified in 40 CFR 61.356(a) through (n). Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF.
- 684 [40 CFR 61.357(d)(6)] Submit report: Due quarterly, beginning three months after the date that the equipment necessary to comply with 40 CFR 61 Subpart FF has been certified in accordance with 40 CFR 61.357(d)(1). Submit a certification that all of the required inspections have been carried out in accordance with the requirements of 40 CFR 61 Subpart FF. Subpart FF. [40 CFR 61.357(d)(6)]
- 685 [40 CFR 61.357(d)(7)] Submit report: Due quarterly, beginning three months after the date that the equipment necessary to comply with 40 CFR 61 Subpart FF has been certified in accordance with 40 CFR 61.357(d)(1). Include the information specified in 40 CFR 61.357(d)(7)(i) through (d)(7)(v). Subpart FF. [40 CFR 61.357(d)(7)]
- 686 [40 CFR 61.357(d)(8)] Submit report: Due annually, beginning one year after the date that the equipment necessary to comply with 40 CFR 61 Subpart FF has been certified in accordance with 40 CFR 61.357(d)(1). Submit a report that summarizes all inspections required by 40 CFR 61.342 through 61.354 during which detectable emissions are measured or a problem that could result in benzene emissions is identified, including information about the repairs or corrective action taken. Subpart FF. [40 CFR 61.357(d)(8)]
- 687 [40 CFR 63.1095(b)] Comply with the requirements of 40 CFR 61 Subpart FF, except as specified in 40 CFR 63 Subpart XX Table 2. Subpart XX. [40 CFR 63.1095(b)]
- 688 [40 CFR 63.1103(c)(3)] Reduce HAP by using a flare meeting the requirements specified in 40 CFR 63.982(b). Subpart YY. [40 CFR 63.1103(c)(3)]
- 689 [40 CFR 63.983(a)(3)(ii)] Closed-vent systems (containing bypass lines): Secure the bypass line valve in the non-diverting position with a car-seal or a lock-and-key type configuration. Subpart SS. [40 CFR 63.983(a)(3)(ii)]
- 690 [40 CFR 63.999(c)] Submit Periodic Report: Due as specified in the referencing subpart. Include the applicable information specified in 40 CFR 63.999(c)(1) through (c)(7). Subpart SS. [40 CFR 63.999(c)]
- 691 [LAC 33:III.2147.E.5.b] Vent system (bypass lines): Seal or closure mechanism monitored by visual inspection/determination monthly to ensure that the valve is maintained in the closed position and the vent stream is not diverted through the bypass line.  
Which Months: All Year Statistical Basis: None specified
- 692 [LAC 33:III.2147.F] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2147.F.1 through F.4, as applicable.
- 693 [LAC 33:III.5109.A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Compliance with the requirements of 40 CFR 63 Subpart XX for wastes is determined as MACT.

**SPECIFIC REQUIREMENTS**

**AI ID: 286 - ExxonMobil Baton Rouge Chemical Plant**  
**Activity Number: PER20090019**  
**Permit Number: 2031-V8**  
**Air - Title V Regular Permit Major Mod**

**RLP 0123 V-377 - ECLA-W (MZD-12) FLARE DRUM**

- 694 [40 CFR 61.343(a)(1)(i)(A)] Fixed roof: Ensure that the cover and all openings are designed to operate with no detectable emissions as indicated by an instrument reading less than 500 ppmv above background, as determined initially and thereafter at least once per year by the methods specified in 40 CFR 61.355(h). Subpart FF. [40 CFR 61.343(a)(1)(i)(A)]
- 695 [40 CFR 61.343(c)] Fixed-roof: Equipment/operational data monitored by visual inspection/determination once initially and once every quarter thereafter to ensure that no cracks or gaps occur and that access doors and other openings are closed and gasketed properly. Subpart FF. [40 CFR 61.343(c)]  
 Which Months: All Year Statistical Basis: None specified
- 696 [40 CFR 61.343(d)] Make first efforts at repair as soon as practicable, but not later than 45 calendar days after a broken seal or gasket or other problem is identified, or when detectable emissions are measured, except as provided in 40 CFR 61.350. Subpart FF. [40 CFR 61.343(d)]
- 697 [40 CFR 61.349(a)(1)(i)] Closed-vent system: Operate with no detectable emissions as indicated by an instrument reading of less than 500 ppmv above background, as determined initially and thereafter at least once per year by the methods specified in 40 CFR 61.355(h). Subpart FF. [40 CFR 61.349(a)(1)(i)]
- 698 [40 CFR 61.349(f)] Equipment/operational data monitored by visual inspection/determination once initially and once every quarter thereafter. Include inspection of ductwork and piping and connections to covers and control devices for evidence of visible defects such as holes in ductwork or piping and loose connections. Subpart FF. [40 CFR 61.349(f)]  
 Which Months: All Year Statistical Basis: None specified
- 699 [40 CFR 61.349(g)] Make a first effort to repair the closed-vent system and control device as soon as practicable but no later than 5 calendar days after visible defects are observed during an inspection, or if other problems are identified, or if detectable emissions are measured, except as provided in 40 CFR 61.350. Complete repair no later than 15 calendar days after the emissions are detected or the visible defect is observed. Subpart FF. [40 CFR 61.349(g)]
- 700 [40 CFR 61.354(f)(1)] Closed-vent system (bypass line): Seal or closure mechanism monitored by visual inspection/determination monthly. Check the position of the valve and the condition of the car-seal or closure mechanism required under 40 CFR 61.349(a)(1)(ii) to ensure that the valve is maintained in the closed position and the vent stream is not diverted through the bypass line. Subpart FF. [40 CFR 61.354(f)(1)]  
 Which Months: All Year Statistical Basis: None specified
- 701 [40 CFR 61.356] Equipment/operational data recordkeeping by electronic or hard copy continuously Maintain records as specified in 40 CFR 61.356(a) through (n). Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF.  
 Submit report: Due quarterly, beginning three months after the date that the equipment necessary to comply with 40 CFR 61 Subpart FF has been certified in accordance with 40 CFR 61.357(d)(1). Submit a certification that all of the required inspections have been carried out in accordance with the requirements of 40 CFR 61 Subpart FF. Subpart FF. [40 CFR 61.357(d)(6)]
- 702 [40 CFR 61.357(d)(6)] Submit report: Due quarterly, beginning three months after the date that the equipment necessary to comply with 40 CFR 61 Subpart FF has been certified in accordance with 40 CFR 61.357(d)(1). Include the information specified in 40 CFR 61.357(d)(7)(i) through (d)(7)(v). Subpart FF. [40 CFR 61.357(d)(7)]
- 703 [40 CFR 61.357(d)(7)] Submit report: Due quarterly, beginning three months after the date that the equipment necessary to comply with 40 CFR 61 Subpart FF has been certified in accordance with 40 CFR 61.357(d)(1). Submit a report that summarizes all inspections required by 40 CFR 61.342 through 61.354 during which detectable emissions are measured or a problem that could result in benzene emissions is identified, including information about the repairs or corrective action taken. Subpart FF. [40 CFR 61.357(d)(8)]
- 704 [40 CFR 61.357(d)(8)] Comply with the requirements of 40 CFR 61 Subpart FF, except as specified in 40 CFR 63 Subpart XX Table 2. Subpart XX. [40 CFR 63.1095(b)]
- 705 [40 CFR 63.1095(b)]

**SPECIFIC REQUIREMENTS**

**AI ID: 286 - ExxonMobil Baton Rouge Chemical Plant**  
**Activity Number: PER20090019**  
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**Air - Title V Regular Permit Major Mod**

**RLP 0123 V-377 - ECLA-W (MZD-12) FLARE DRUM**

- 706 [40 CFR 63.1103(e)(3)] Reduce HAP by using a flare meeting the requirements specified in 40 CFR 63.982(b). Subpart YY. [40 CFR 63.1103(e)(3)]
- 707 [40 CFR 63.983(a)(3)(ii)] Closed-vent systems (containing bypass lines): Secure the bypass line valve in the non-diverting position with a car-seal or a lock-and-key type configuration. Subpart SS. [40 CFR 63.983(a)(3)(ii)]
- 708 [40 CFR 63.999(c)] Submit Periodic Report: Due as specified in the referencing subpart. Include the applicable information specified in 40 CFR 63.999(c)(1) through (c)(7). Subpart SS. [40 CFR 63.999(c)]
- 709 [LAC 33:III.2147 E.5.b] Vent system (bypass lines): Seal or closure mechanism monitored by visual inspection/determination monthly to ensure that the valve is maintained in the closed position and the vent stream is not diverted through the bypass line.
- 710 [LAC 33:III.2147.F] Which Months: All Year Statistical Basis: None specified Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2147.F.1 through F.4, as applicable.
- 711 [LAC 33:III.5109.A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Compliance with the requirements of 40 CFR 63 Subpart XX for wastes is determined as MACT.

**RLP 0124 V-379 - OVERHEAD STREAM FROM MST-01 -DEMETHANIZER**

- 712 [40 CFR 60.662(a)] Total Organic Compounds (less methane and ethane) >= 98 % reduction by weight, or to a TOC (less methane and ethane) concentration of 20 ppmv, on a dry basis corrected to 3 percent oxygen, whichever is less stringent. Subpart NNN. [40 CFR 60.662(a)]
- 713 [40 CFR 60.] Which Months: All Year Statistical Basis: None specified Continuously monitor the flow indicator of the vent stream. Maintain records of the hourly average vent flow indications. BRCP Alternate Monitoring Plan dated 6/17/08, Subpart NNN.
- 714 [40 CFR 60.] Report semi-annually: all periods when a vent stream is diverted from the specified control device or has no flow and any change in process equipment or operation that affects compliance, BRCP Alternate Monitoring Plan dated 6/17/08, Subpart NNN.
- 715 [40 CFR 64.9(a)] Submit report: Due on and after the date specified in 40 CFR 64.7(a) by which the owner or operator must use monitoring that meets the requirements of 40 CFR 64. Submit monitoring reports to the DEQ in accordance with 40 CFR 70.6(a)(3)(iii). Include in a report for monitoring under 40 CFR 64, at a minimum, the information required under 40 CFR 70.6(a)(3)(iii) and the information specified in 40 CFR 64.9(a)(2)(i) through (a)(2)(iii), as applicable. [40 CFR 64.9(a)]
- 716 [40 CFR 64.9(b)(1)] Monitoring data recordkeeping by electronic or hard copy continuously. Maintain these records for a period of at least five years. [40 CFR 64.9(b)(1)]
- 717 [40 CFR 64.9(b)(1)] Comply with the recordkeeping requirements specified in 40 CFR 70.6(a)(3)(ii). [40 CFR 64.9(b)(1)]
- 718 [40 CFR 64.9(b)(1)] Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records of monitor performance data, corrective actions taken, any written quality improvement plan required pursuant to 40 CFR 64.8 and any activities undertaken to implement a quality improvement plan, and other supporting information required to be maintained under 40 CFR 64 (such as data used to document the adequacy of monitoring, or records of monitoring maintenance or corrective actions). Maintain these records for a period of at least five years. [40 CFR 64.9(b)(1)]

**RLP 0125 V-380 - OVERHEAD STREAM FROM MST-02 - DEETHANIZER**

**SPECIFIC REQUIREMENTS**

**AI ID: 286 - ExxonMobil Baton Rouge Chemical Plant**  
**Activity Number: PER20090019**  
**Permit Number: 2031-V8**  
**Air - Title V Regular Permit Major Mod**

**RLP 0125 V-380 - OVERHEAD STREAM FROM MST-02 - DEETHANIZER**

- 719 [40 CFR 60.662(a)] Total Organic Compounds (less methane and ethane) >= 98 % reduction by weight, or to a TOC (less methane and ethane) concentration of 20 ppmv, on a dry basis corrected to 3 percent oxygen, whichever is less stringent. Subpart NNN. [40 CFR 60.662(a)]  
 Which Months: All Year Statistical Basis: None specified
- 720 [40 CFR 60.] Continuously monitor the flow indicator of the vent stream. Maintain records of the hourly average vent flow indications, BRCP Alternate Monitoring Plan dated 6/17/08, Subpart NNN.
- 721 [40 CFR 60.] Report semi-annually: all periods when a vent stream is diverted from the specified control device or has no flow and any change in process equipment or operation that affects compliance, BRCP Alternate Monitoring Plan dated 6/17/08, Subpart NNN.
- 722 [40 CFR 64.9(a)] Submit report: Due on and after the date specified in 40 CFR 64.7(a) by which the owner or operator must use monitoring that meets the requirements of 40 CFR 64. Submit monitoring reports to the DEQ in accordance with 40 CFR 70.6(a)(3)(ii). Include in a report for monitoring under 40 CFR 64, at a minimum, the information required under 40 CFR 70.6(a)(3)(iii) and the information specified in 40 CFR 64.9(a)(2)(i) through (a)(2)(iii), as applicable. [40 CFR 64.9(a)]
- 723 [40 CFR 64.9(b)(1)] Monitoring data recordkeeping by electronic or hard copy continuously. Maintain these records for a period of at least five years. [40 CFR 64.9(b)(1)]
- 724 [40 CFR 64.9(b)(1)] Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records of monitor performance data, corrective actions taken, any written quality improvement plan required pursuant to 40 CFR 64.8 and any activities undertaken to implement a quality improvement plan, and other supporting information required to be maintained under 40 CFR 64 (such as data used to document the adequacy of monitoring, or records of monitoring maintenance or corrective actions). Maintain these records for a period of at least five years. [40 CFR 64.9(b)(1)]
- 725 [40 CFR 64.9(b)(1)] Comply with the recordkeeping requirements specified in 40 CFR 70.6(a)(3)(ii). [40 CFR 64.9(b)(1)]

**RLP 0126 V-381 - OVERHEAD STREAM FROM MST-04 - DEPROPANIZER**

- 726 [40 CFR 63.1103(e)(3)] Reduce HAP by using a flare meeting the requirements specified in 40 CFR 63.982(b). Subpart YY. [40 CFR 63.1103(e)(3)]
- 727 [40 CFR 63.983(a)(3)(ii)] Closed-vent systems (containing bypass lines): Secure the bypass line valve in the non-diverting position with a car-seal or a lock-and-key type configuration. Subpart SS. [40 CFR 63.983(a)(3)(ii)]
- 728 [40 CFR 63.999(c)] Submit Periodic Report: Due as specified in the referencing subpart. Include the applicable information specified in 40 CFR 63.999(c)(1) through (c)(7). Subpart SS. [40 CFR 63.999(c)]
- 729 [LAC 33:III.5109.A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Compliance with the requirements of 40 CFR 63 Subpart YY for process vents is determined as MACT.

**RLP 0127 V-388 - SACC SOUR WATER STRIPPER**

- 730 [40 CFR 61.343(d)] Make first efforts at repair as soon as practicable, but not later than 45 calendar days after a broken seal or gasket or other problem is identified, or when detectable emissions are measured, except as provided in 40 CFR 61.350. Subpart FF. [40 CFR 61.343(d)]
- 731 [40 CFR 61.349(a)(1)(i)] Closed-vent system: Operate with no detectable emissions as indicated by an instrument reading of less than 500 ppmv above background, as determined initially and thereafter at least once per year by the methods specified in 40 CFR 61.355(h). Subpart FF. [40 CFR 61.349(a)(1)(i)]

**SPECIFIC REQUIREMENTS**

**AJ ID: 286 - ExxonMobil Baton Rouge Chemical Plant**  
**Activity Number: PER20090019**  
**Permit Number: 2031-V8**  
**Air - Title V Regular Permit Major Mod**

**RLP 0127 V-388 - SACC SOUR WATER STRIPPER**

- 732 [40 CFR 61.349(f)] Equipment/operational data monitored by visual inspection/determination once initially and once every quarter thereafter. Include inspection of ductwork and piping and connections to covers and control devices for evidence of visible defects such as holes in ductwork or piping and loose connections. Subpart FF. [40 CFR 61.349(f)]
- 733 [40 CFR 61.349(g)] Which Months: All Year Statistical Basis: None specified  
 Make a first effort to repair the closed-vent system and control device as soon as practicable but no later than 5 calendar days after visible defects are observed during an inspection, or if other problems are identified, or if detectable emissions are measured, except as provided in 40 CFR 61.350. Complete repair no later than 15 calendar days after the emissions are detected or the visible defect is observed. Subpart FF. [40 CFR 61.349(g)]
- 734 [40 CFR 61.356] Equipment/operational data recordkeeping by electronic or hard copy continuously Maintain records as specified in 40 CFR 61.356(a) through (n). Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF.
- 735 [40 CFR 61.357(d)(6)] Submit report: Due quarterly, beginning three months after the date that the equipment necessary to comply with 40 CFR 61 Subpart FF has been certified in accordance with 40 CFR 61.357(d)(1). Submit a certification that all of the required inspections have been carried out in accordance with the requirements of 40 CFR 61 Subpart FF. Subpart FF. [40 CFR 61.357(d)(6)]
- 736 [40 CFR 61.357(d)(7)] Submit report: Due quarterly, beginning three months after the date that the equipment necessary to comply with 40 CFR 61 Subpart FF has been certified in accordance with 40 CFR 61.357(d)(1). Include the information specified in 40 CFR 61.357(d)(7)(i) through (d)(7)(v). Subpart FF. [40 CFR 61.357(d)(7)]
- 737 [40 CFR 61.357(d)(8)] Submit report: Due annually, beginning one year after the date that the equipment necessary to comply with 40 CFR 61 Subpart FF has been certified in accordance with 40 CFR 61.357(d)(1). Submit a report that summarizes all inspections required by 40 CFR 61.342 through 61.354 during which detectable emissions are measured or a problem that could result in benzene emissions is identified, including information about the repairs or corrective action taken. Subpart FF. [40 CFR 61.357(d)(8)]
- 738 [40 CFR 63.1095(b)] Comply with the requirements of 40 CFR 61 Subpart FF, except as specified in 40 CFR 63 Subpart XX Table 2. Subpart XX. [40 CFR 63.1095(b)]
- 739 [LAC 33:III.2147.E.5.b] Vent system (bypass lines): Seal or closure mechanism monitored by visual inspection/determination monthly to ensure that the valve is maintained in the closed position and the vent stream is not diverted through the bypass line.  
 Which Months: All Year Statistical Basis: None specified
- 740 [LAC 33:III.2147.F] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2147.F.1 through F.4, as applicable.
- 741 [LAC 33:III.5109.A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Compliance with the requirements of 40 CFR 63 Subpart XX for wastes is determined as MACT.

**RLP 0128 V-396A - DISTILLATION TOWERS VENTS (MAINTRAIN) (NOT EMACT)**

- 742 [40 CFR 60.662(a)] Total Organic Compounds (less methane and ethane) >= 98 % reduction by weight, or to a TOC (less methane and ethane) concentration of 20 ppmv, on a dry basis corrected to 3 percent oxygen, whichever is less stringent. Subpart NNN. [40 CFR 60.662(a)]  
 Which Months: All Year Statistical Basis: None specified

**SPECIFIC REQUIREMENTS**

**AI ID: 286 - ExxonMobil Baton Rouge Chemical Plant**  
**Activity Number: PER20090019**  
**Permit Number: 2031-V8**  
**Air - Title V Regular Permit Major Mod**

**RLP 0128 V-396A - DISTILLATION TOWERS VENTS (MAINTRAIN) (NOT EMACT)**

- 743 [40 CFR 60.] Continuously monitor the flow indicator of the vent stream. Maintain records of the hourly average vent flow indications. BRCP Alternate Monitoring Plan dated 6/17/08, Subpart NNN.
- 744 [40 CFR 60.] Report semi-annually: all periods when a vent stream is diverted from the specified control device or has no flow and any change in process equipment or operation that affects compliance, BRCP Alternate Monitoring Plan dated 6/17/08, Subpart NNN.
- 745 [40 CFR 64.9(a)] Submit report: Due on and after the date specified in 40 CFR 64.7(a) by which the owner or operator must use monitoring that meets the requirements of 40 CFR 64. Submit monitoring reports to the DEQ in accordance with 40 CFR 70.6(a)(3)(iii). Include in a report for monitoring under 40 CFR 64, at a minimum, the information required under 40 CFR 70.6(a)(3)(iii) and the information specified in 40 CFR 64.9(a)(2)(i) through (a)(2)(ii), as applicable. [40 CFR 64.9(a)]
- 746 [40 CFR 64.9(b)(1)] Comply with the recordkeeping requirements specified in 40 CFR 70.6(a)(3)(ii). [40 CFR 64.9(b)(1)]
- 747 [40 CFR 64.9(b)(1)] Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records of monitor performance data, corrective actions taken, any written quality improvement plan required pursuant to 40 CFR 64.8 and any activities undertaken to implement a quality improvement plan, and other supporting information required to be maintained under 40 CFR 64 (such as data used to document the adequacy of monitoring, or records of monitoring maintenance or corrective actions). Maintain these records for a period of at least five years. [40 CFR 64.9(b)(1)]
- 748 [40 CFR 64.9(b)(1)] Monitoring data recordkeeping by electronic or hard copy continuously. Maintain these records for a period of at least five years. [40 CFR 64.9(b)(1)]

**RLP 0129 V-396B - DISTILLATION TOWERS VENTS (MAINTRAIN)(EMACT)**

- 749 [40 CFR 63.1103(e)(3)] Reduce HAP by using a flare meeting the requirements specified in 40 CFR 63.982(b). Subpart YY. [40 CFR 63.1103(e)(3)]
- 750 [40 CFR 63.983(a)(3)(ii)] Closed-vent systems (containing bypass lines): Secure the bypass line valve in the non-diverting position with a car-seal or a lock-and-key type configuration. Subpart SS. [40 CFR 63.983(a)(3)(ii)]
- 751 [40 CFR 63.999(c)] Submit Periodic Report: Due as specified in the referencing subpart. Include the applicable information specified in 40 CFR 63.999(c)(1) through (c)(7). Subpart SS. [40 CFR 63.999(c)]
- 752 [LAC 33:111.5109.A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Compliance with the requirements of 40 CFR 63 Subpart YY for process vents is determined as MACT.

**RLP 0131 V-451 - DILA FLARE DRUM**

- 753 [40 CFR 61.343(a)(1)(i)(A)] Fixed roof: Ensure that the cover and all openings are designed to operate with no detectable emissions as indicated by an instrument reading less than 500 ppmv above background, as determined initially and thereafter at least once per year by the methods specified in 40 CFR 61.355(h). Subpart FF. [40 CFR 61.343(a)(1)(i)(A)]
- 754 [40 CFR 61.343(c)] Fixed-roof: Equipment/operational data monitored by visual inspection/determination once initially and once every quarter thereafter to ensure that no cracks or gaps occur and that access doors and other openings are closed and gasketed properly. Subpart FF. [40 CFR 61.343(c)]
- 755 [40 CFR 61.343(d)] Which Months: All Year Statistical Basis: None specified  
 Make first efforts at repair as soon as practicable, but not later than 45 calendar days after a broken seal or gasket or other problem is identified, or when detectable emissions are measured, except as provided in 40 CFR 61.350. Subpart FF. [40 CFR 61.343(d)]

**SPECIFIC REQUIREMENTS**

**AI ID: 286 - ExxonMobil Baton Rouge Chemical Plant**  
**Activity Number: PER20090019**  
**Permit Number: 2031-V8**  
**Air - Title V Regular Permit Major Mod**

**RLP 0131 V-451 - DILA FLARE DRUM**

- 756 [40 CFR 61.349(a)(1)(i)] Closed-vent system: Operate with no detectable emissions as indicated by an instrument reading of less than 500 ppmv above background, as determined initially and thereafter at least once per year by the methods specified in 40 CFR 61.355(h). Subpart FF. [40 CFR 61.349(a)(1)(i)]
- 757 [40 CFR 61.349(i)] Equipment/operational data monitored by visual inspection/determination once initially and once every quarter thereafter. Include inspection of ductwork and piping and connections to covers and control devices for evidence of visible defects such as holes in ductwork or piping and loose connections. Subpart FF. [40 CFR 61.349(f)]
- 758 [40 CFR 61.349(g)] Which Months: All Year Statistical Basis: None specified  
 Make a first effort to repair the closed-vent system and control device as soon as practicable but no later than 5 calendar days after visible defects are observed during an inspection, or if other problems are identified, or if detectable emissions are measured, except as provided in 40 CFR 61.350. Complete repair no later than 15 calendar days after the emissions are detected or the visible defect is observed. Subpart FF. [40 CFR 61.349(g)]
- 759 [40 CFR 61.354(f)(1)] Closed-vent system (bypass line): Seal or closure mechanism monitored by visual inspection/determination monthly. Check the position of the valve and the condition of the car-seal or closure mechanism required under 40 CFR 61.349(a)(1)(ii) to ensure that the valve is maintained in the closed position and the vent stream is not diverted through the bypass line. Subpart FF. [40 CFR 61.354(f)(1)]
- 760 [40 CFR 61.356] Which Months: All Year Statistical Basis: None specified  
 Equipment/operational data recordkeeping by electronic or hard copy continuously Maintain records as specified in 40 CFR 61.356(a) through (n). Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF.
- 761 [40 CFR 61.357(d)(6)] Submit report: Due quarterly, beginning three months after the date that the equipment necessary to comply with 40 CFR 61 Subpart FF has been certified in accordance with 40 CFR 61.357(d)(1). Submit a certification that all of the required inspections have been carried out in accordance with the requirements of 40 CFR 61 Subpart FF. Subpart FF. [40 CFR 61.357(d)(6)]
- 762 [40 CFR 61.357(d)(7)] Submit report: Due quarterly, beginning three months after the date that the equipment necessary to comply with 40 CFR 61 Subpart FF has been certified in accordance with 40 CFR 61.357(d)(1). Include the information specified in 40 CFR 61.357(d)(7)(i) through (d)(7)(v). Subpart FF. [40 CFR 61.357(d)(7)]
- 763 [40 CFR 61.357(d)(8)] Submit report: Due annually, beginning one year after the date that the equipment necessary to comply with 40 CFR 61 Subpart FF has been certified in accordance with 40 CFR 61.357(d)(1). Submit a report that summarizes all inspections required by 40 CFR 61.342 through 61.354 during which detectable emissions are measured or a problem that could result in benzene emissions is identified, including information about the repairs or corrective action taken. Subpart FF. [40 CFR 61.357(d)(8)]
- 764 [40 CFR 63.1095(b)] Comply with the requirements of 40 CFR 61 Subpart FF, except as specified in 40 CFR 63 Subpart XX Table 2. Subpart XX. [40 CFR 63.1095(b)]
- 765 [40 CFR 63.1103(e)(3)] Reduce HAP by using a flare meeting the requirements specified in 40 CFR 63.982(b). Subpart YY. [40 CFR 63.1103(e)(3)]
- 766 [40 CFR 63.983(a)(3)(ii)] Closed-vent systems (containing bypass lines): Secure the bypass line valve in the non-diverting position with a car-seal or a lock-and-key-type configuration. Subpart SS. [40 CFR 63.983(a)(3)(ii)]
- 767 [40 CFR 63.999(c)] Submit Periodic Report: Due as specified in the referencing subpart. Include the applicable information specified in 40 CFR 63.999(c)(1) through (c)(7). Subpart SS. [40 CFR 63.999(c)]
- 768 [LAC 33:III.2147.E.5.b] Vent system (bypass lines): Seal or closure mechanism monitored by visual inspection/determination monthly to ensure that the valve is maintained in the closed position and the vent stream is not diverted through the bypass line.  
 Which Months: All Year Statistical Basis: None specified

**SPECIFIC REQUIREMENTS**

**AI ID: 286 - ExxonMobil Baton Rouge Chemical Plant**

**Activity Number: PER20090019**

**Permit Number: 2031-V8**

**Air - Title V Regular Permit Major Mod**

**RLP 0131 V-451 - DILA FLARE DRUM**

- 769 [LAC 33:III.2147.F] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2147.F.1 through F.4, as applicable.
- 770 [LAC 33:III.5109.A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Compliance with the requirements of 40 CFR 63 Subpart XX for wastes is determined as MACT.

**RLP 0132 V-452 - SPENT CAUSTIC SEPARATOR DRUM (FD-10)**

- 771 [40 CFR 61.343(a)(1)(i)(A)] Fixed roof: Ensure that the cover and all openings are designed to operate with no detectable emissions as indicated by an instrument reading less than 500 ppmv above background, as determined initially and thereafter at least once per year by the methods specified in 40 CFR 61.355(h). Subpart FF. [40 CFR 61.343(a)(1)(i)(A)]
- 772 [40 CFR 61.343(a)(1)(i)(B)] Fixed roof: Maintain each opening in a closed, sealed position at all times that waste is in the tank except when it is necessary to use the opening for waste sampling or removal, or for equipment inspection, maintenance, or repair, except as specified in 40 CFR 61.343(a)(1)(i)(C). Subpart FF. [40 CFR 61.343(a)(1)(i)(B)]
- 773 [40 CFR 61.343(a)(1)] Install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device. Subpart FF. [40 CFR 61.343(a)(1)]
- 774 [40 CFR 61.343(c)] Fixed-roof: Equipment/operational data monitored by visual inspection/determination once initially and once every quarter thereafter to ensure that no cracks or gaps occur and that access doors and other openings are closed and gasketed properly. Subpart FF. [40 CFR 61.343(c)]  
Which Months: All Year Statistical Basis: None specified
- 775 [40 CFR 61.343(d)] Make first efforts at repair as soon as practicable, but not later than 45 calendar days after a broken seal or gasket or other problem is identified, or when detectable emissions are measured, except as provided in 40 CFR 61.350. Subpart FF. [40 CFR 61.343(d)]
- 776 [40 CFR 61.349(a)(1)(i)] Closed-vent system: Operate with no detectable emissions as indicated by an instrument reading of less than 500 ppmv above background, as determined initially and thereafter at least once per year by the methods specified in 40 CFR 61.355(h). Subpart FF. [40 CFR 61.349(a)(1)(i)]
- 777 [40 CFR 61.349(g)] Make a first effort to repair the closed-vent system and control device as soon as practicable but no later than 5 calendar days after visible defects are observed during an inspection, or if other problems are identified, or if detectable emissions are measured, except as provided in 40 CFR 61.350. Complete repair no later than 15 calendar days after the emissions are detected or the visible defect is observed. Subpart FF. [40 CFR 61.349(g)]
- 778 [40 CFR 61.354(f)(1)] Closed-vent system (bypass line): Seal or closure mechanism monitored by visual inspection/determination monthly. Check the position of the valve and the condition of the car-seal or closure mechanism required under 40 CFR 61.349(a)(1)(ii) to ensure that the valve is maintained in the closed position and the vent stream is not diverted through the bypass line. Subpart FF. [40 CFR 61.354(f)(1)]  
Which Months: All Year Statistical Basis: None specified
- 779 [40 CFR 61.356] Equipment/operational data recordkeeping by electronic or hard copy continuously Maintain records as specified in 40 CFR 61.356(a) through (n). Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF.
- 780 [40 CFR 61.357(d)(6)] Submit report: Due quarterly, beginning three months after the date that the equipment necessary to comply with 40 CFR 61 Subpart FF has been certified in accordance with 40 CFR 61.357(d)(1). Submit a certification that all of the required inspections have been carried out in accordance with the requirements of 40 CFR 61 Subpart FF. Subpart FF. [40 CFR 61.357(d)(6)]

**SPECIFIC REQUIREMENTS**

**AI ID: 286 - ExxonMobil Baton Rouge Chemical Plant**  
**Activity Number: PER20090019**  
**Permit Number: 2031-V8**  
**Air - Title V Regular Permit Major Mod**

**RLP 0132 V-452 - SPENT CAUSTIC SEPARATOR DRUM (FD-10)**

- 781 [40 CFR 61.357(d)(7)] Submit report: Due quarterly, beginning three months after the date that the equipment necessary to comply with 40 CFR 61 Subpart FF has been certified in accordance with 40 CFR 61.357(d)(1). Include the information specified in 40 CFR 61.357(d)(7)(i) through (d)(7)(v). Subpart FF. [40 CFR 61.357(d)(7)]
- 782 [40 CFR 61.357(d)(8)] Submit report: Due annually, beginning one year after the date that the equipment necessary to comply with 40 CFR 61 Subpart FF has been certified in accordance with 40 CFR 61.357(d)(1). Submit a report that summarizes all inspections required by 40 CFR 61.342 through 61.354 during which detectable emissions are measured or a problem that could result in benzene emissions is identified, including information about the repairs or corrective action taken. Subpart FF. [40 CFR 61.357(d)(8)]
- 783 [40 CFR 63.1095(b)] Comply with the requirements of 40 CFR 61 Subpart FF, except as specified in 40 CFR 63 Subpart XX Table 2. Subpart XX. [40 CFR 63.1095(b)]
- 784 [LAC 33:III.2103.B] Equip with a vapor loss control system.
- 785 [LAC 33:III.2103.H.3] Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e.
- 786 [LAC 33:III.2103.I] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.
- 787 [LAC 33:III.5109.A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Compliance with the requirements of 40 CFR 63 Subpart XX for wastes is determined as MACT.

**RLP 0133 V-454 - SCOLA OXIDIZER TOWER (FR-20) AND SEPARATOR DRUM (FD-50)**

- 788 [40 CFR 61.343(d)] Make first efforts at repair as soon as practicable, but not later than 45 calendar days after a broken seal or gasket or other problem is identified, or when detectable emissions are measured, except as provided in 40 CFR 61.350. Subpart FF. [40 CFR 61.343(d)]
- 789 [40 CFR 61.348(a)(1)(i)] Waste stream: Benzene < 10 ppmw (flow-weighted) or benzene >=99% removal (mass basis). Subpart FF. [40 CFR 61.348(a)(1)(i)]  
Which Months: All Year Statistical Basis: Annual average
- 790 [40 CFR 61.348(c)] Demonstrate that each treatment process or wastewater treatment system unit, except as specified in 40 CFR 61.348(d), achieves the appropriate conditions specified in 40 CFR 61.248(a) or (b) in accordance with the requirements in 40 CFR 61.348(c)(1) and (c)(2). Subpart FF. [40 CFR 61.348(c)]
- 791 [40 CFR 61.348(c)(1)] Seals and/or openings: Equipment/operational data monitored by visual inspection/determination once initially and once every quarter thereafter to ensure that no cracks or gaps occur and that openings are closed and gasketed properly. Subpart FF. [40 CFR 61.348(c)(1)]  
Which Months: All Year Statistical Basis: None specified
- 792 [40 CFR 61.348(e)(2)] Make first efforts at repair as soon as practicable, but not later than 15 calendar days after a broken seal or gasket or other problem is identified, except as provided in 40 CFR 61.350. Subpart FF. [40 CFR 61.348(e)(2)]
- 793 [40 CFR 61.348(e)] Seal any openings and keep closed at all times when waste is being treated, except during inspection and maintenance, except as specified in 40 CFR 61.348(e)(3). Subpart FF. [40 CFR 61.348(e)]
- 794 [40 CFR 61.349(a)(1)(i)] Closed-vent system: Operate with no detectable emissions as indicated by an instrument reading of less than 500 ppmv above background, as determined initially and thereafter at least once per year by the methods specified in 40 CFR 61.355(h). Subpart FF. [40 CFR 61.349(a)(1)(i)]

**SPECIFIC REQUIREMENTS**

**AI ID: 286 - ExxonMobil Baton Rouge Chemical Plant**  
**Activity Number: PER20090019**  
**Permit Number: 2031-V8**  
**Air - Title V Regular Permit Major Mod**

**RLP 0133 V-454 - SCOLA OXIDIZER TOWER (FR-20) AND SEPARATOR DRUM (FD-50)**

- 795 [40 CFR 61.349(f)] Equipment/operational data monitored by visual inspection/determination once initially and once every quarter thereafter. Include inspection of ductwork and piping and connections to covers and control devices for evidence of visible defects such as holes in ductwork or piping and loose connections. Subpart FF. [40 CFR 61.349(f)]
- 796 [40 CFR 61.349(g)] Which Months: All Year Statistical Basis: None specified  
 Make a first effort to repair the closed-vent system and control device as soon as practicable but no later than 5 calendar days after visible defects are observed during an inspection, or if other problems are identified, or if detectable emissions are measured, except as provided in 40 CFR 61.350. Complete repair no later than 15 calendar days after the emissions are detected or the visible defect is observed. Subpart FF. [40 CFR 61.349(g)]
- 797 [40 CFR 61.354(a)] Monitor the treatment process as allowed in 61.354(a)(1) or (a)(2) to ensure the unit is properly operated and maintained. [40 CFR 61.354(a)]
- 798 [40 CFR 61.356] Equipment/operational data recordkeeping by electronic or hard copy continuously Maintain records as specified in 40 CFR 61.356(a) through (n). Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF.
- 799 [40 CFR 61.357(d)(6)] Submit report: Due quarterly, beginning three months after the date that the equipment necessary to comply with 40 CFR 61 Subpart FF has been certified in accordance with 40 CFR 61.357(d)(1). Submit a certification that all of the required inspections have been carried out in accordance with the requirements of 40 CFR 61 Subpart FF. Subpart FF. [40 CFR 61.357(d)(6)]
- 800 [40 CFR 61.357(d)(7)] Submit report: Due quarterly, beginning three months after the date that the equipment necessary to comply with 40 CFR 61 Subpart FF has been certified in accordance with 40 CFR 61.357(d)(1). Include the information specified in 40 CFR 61.357(d)(7)(i) through (d)(7)(v). Subpart FF. [40 CFR 61.357(d)(7)]
- 801 [40 CFR 61.357(d)(8)] Submit report: Due annually, beginning one year after the date that the equipment necessary to comply with 40 CFR 61 Subpart FF has been certified in accordance with 40 CFR 61.357(d)(1). Submit a report that summarizes all inspections required by 40 CFR 61.342 through 61.354 during which detectable emissions are measured or a problem that could result in benzene emissions is identified, including information about the repairs or corrective action taken. Subpart FF. [40 CFR 61.357(d)(8)]
- 802 [40 CFR 63.1095(b)] Comply with the requirements of 40 CFR 61 Subpart FF, except as specified in 40 CFR 63 Subpart XX Table 2. Subpart XX. [40 CFR 63.1095(b)]
- 803 [40 CFR 64.9(a)] Submit report: Due on and after the date specified in 40 CFR 64.7(a) by which the owner or operator must use monitoring that meets the requirements of 40 CFR 64. Submit monitoring reports to the DEQ in accordance with 40 CFR 70.6(a)(3)(iii). Include in a report for monitoring under 40 CFR 64, at a minimum, the information required under 40 CFR 70.6(a)(3)(iii) and the information specified in 40 CFR 64.9(a)(2)(i) through (a)(2)(iii), as applicable. [40 CFR 64.9(a)]
- 804 [40 CFR 64.9(b)(1)] Monitoring data recordkeeping by electronic or hard copy continuously. Maintain these records for a period of at least five years. [40 CFR 64.9(b)(1)]
- 805 [40 CFR 64.9(b)(1)] Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records of monitor performance data, corrective actions taken, any written quality improvement plan required pursuant to 40 CFR 64.8 and any activities undertaken to implement a quality improvement plan, and other supporting information required to be maintained under 40 CFR 64 (such as data used to document the adequacy of monitoring, or records of monitoring maintenance or corrective actions). Maintain these records for a period of at least five years. [40 CFR 64.9(b)(1)]
- 806 [40 CFR 64.9(b)(1)] Comply with the recordkeeping requirements specified in 40 CFR 70.6(a)(3)(ii). [40 CFR 64.9(b)(1)]

**SPECIFIC REQUIREMENTS**

**AI ID: 286 - ExxonMobil Baton Rouge Chemical Plant**  
**Activity Number: PER20090019**  
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**Air - Title V Regular Permit Major Mod**

**RLP 0133 V-454 - SCOLA OXIDIZER TOWER (FR-20) AND SEPARATOR DRUM (FD-50)**

- 807 [LAC 33:III.2115.A] Nonhalogenated hydrocarbon burning: Temperature >= 1300 F (704 degrees C) for 0.3 second or greater in a direct-flame afterburner or an equally effective device which achieves a removal efficiency of 95 percent or greater, as determined in accordance with LAC 33:III.2115.J.1, or if emissions are reduced to 50 ppm by volume, whichever is less stringent. This vent is controlled by the SCOLA thermal oxidizer (EIQ #S-86).  
 Which Months: All Year Statistical Basis: None specified
- 808 [LAC 33:III.2115] Monitoring, recordkeeping, and reporting requirements for the control device on this vent stream are included as compliance activities for the SCOLA Thermal Oxidizer (EIQ No. S-86).
- 809 [LAC 33:III.2147 E.5.b] Vent system (bypass lines): Seal or closure mechanism monitored by visual inspection/determination monthly to ensure that the valve is maintained in the closed position and the vent stream is not diverted through the bypass line.  
 Which Months: All Year Statistical Basis: None specified
- 810 [LAC 33:III.2147 F] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2147.F.1 through F.4, as applicable.
- 811 [LAC 33:III.5109.A] Compliance with the requirements of 40 CFR 63 Subpart XX is determined as MACT.

**RLP 0134 V-455 - DILA SOUR WATER DRUM (BDD-31)**

- 812 [40 CFR 61.343(a)(1)(A)] Fixed roof: Ensure that the cover and all openings are designed to operate with no detectable emissions as indicated by an instrument reading less than 500 ppmv above background, as determined initially and thereafter at least once per year by the methods specified in 40 CFR 61.355(h). Subpart FF. [40 CFR 61.343(a)(1)(A)]
- 813 [40 CFR 61.343(c)] Fixed-roof: Equipment/operational data monitored by visual inspection/determination once initially and once every quarter thereafter to ensure that no cracks or gaps occur and that access doors and other openings are closed and gasketed properly. Subpart FF. [40 CFR 61.343(c)]  
 Which Months: All Year Statistical Basis: None specified
- 814 [40 CFR 61.343(d)] Make first efforts at repair as soon as practicable, but not later than 45 calendar days after a broken seal or gasket or other problem is identified, or when detectable emissions are measured, except as provided in 40 CFR 61.350. Subpart FF. [40 CFR 61.343(d)]
- 815 [40 CFR 61.349(a)(1)(i)] Closed-vent system: Operate with no detectable emissions as indicated by an instrument reading of less than 500 ppmv above background, as determined initially and thereafter at least once per year by the methods specified in 40 CFR 61.355(h). Subpart FF. [40 CFR 61.349(a)(1)(i)]
- 816 [40 CFR 61.349(i)] Equipment/operational data monitored by visual inspection/determination once initially and once every quarter thereafter. Include inspection of ductwork and piping and connections to covers and control devices for evidence of visible defects such as holes in ductwork or piping and loose connections. Subpart FF. [40 CFR 61.349(f)]  
 Which Months: All Year Statistical Basis: None specified
- 817 [40 CFR 61.349(g)] Make a first effort to repair the closed-vent system and control device as soon as practicable but no later than 5 calendar days after visible defects are observed during an inspection, or if other problems are identified, or if detectable emissions are measured, except as provided in 40 CFR 61.350. Complete repair no later than 15 calendar days after the emissions are detected or the visible defect is observed. Subpart FF. [40 CFR 61.349(g)]
- 818 [40 CFR 61.354(i)(1)] Closed-vent system (bypass line): Seal or closure mechanism monitored by visual inspection/determination monthly. Check the position of the valve and the condition of the car-seal or closure mechanism required under 40 CFR 61.349(a)(1)(ii) to ensure that the valve is maintained in the closed position and the vent stream is not diverted through the bypass line. Subpart FF. [40 CFR 61.354(i)(1)]  
 Which Months: All Year Statistical Basis: None specified

**SPECIFIC REQUIREMENTS**

**AI ID: 286 - ExxonMobil Baton Rouge Chemical Plant**  
**Activity Number: PER20090019**  
**Permit Number: 2031-V8**  
**Air - Title V Regular Permit Major Mod**

**RLP 0134 V-455 - DILA SOUR WATER DRUM (BDD-31)**

- 819 [40 CFR 61.356] Equipment/operational data recordkeeping by electronic or hard copy continuously Maintain records as specified in 40 CFR 61.356(a) through (n). Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF.
- 820 [40 CFR 61.357(d)(6)] Submit report: Due quarterly, beginning three months after the date that the equipment necessary to comply with 40 CFR 61 Subpart FF has been certified in accordance with 40 CFR 61.357(d)(1). Submit a certification that all of the required inspections have been carried out in accordance with the requirements of 40 CFR 61 Subpart FF. Subpart FF. [40 CFR 61.357(d)(6)]
- 821 [40 CFR 61.357(d)(7)] Submit report: Due quarterly, beginning three months after the date that the equipment necessary to comply with 40 CFR 61 Subpart FF has been certified in accordance with 40 CFR 61.357(d)(1). Include the information specified in 40 CFR 61.357(d)(7)(i) through (d)(7)(v). Subpart FF. [40 CFR 61.357(d)(7)]
- 822 [40 CFR 61.357(d)(8)] Submit report: Due annually, beginning one year after the date that the equipment necessary to comply with 40 CFR 61 Subpart FF has been certified in accordance with 40 CFR 61.357(d)(1). Submit a report that summarizes all inspections required by 40 CFR 61.342 through 61.354 during which detectable emissions are measured or a problem that could result in benzene emissions is identified, including information about the repairs or corrective action taken. Subpart FF. [40 CFR 61.357(d)(8)]
- 823 [40 CFR 63.1095(b)] Comply with the requirements of 40 CFR 61 Subpart FF, except as specified in 40 CFR 63 Subpart XX Table 2. Subpart XX. [40 CFR 63.1095(b)]
- 824 [LAC 33-III.5109.A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Compliance with the requirements of 40 CFR 63 Subpart XX for wastes is determined as MACT.

**RLP 0135 V-544 - HYDROGENATION SYSTEM FLASH DRUM (T-100)**

- 825 [40 CFR 63.1103(e)(3)] Reduce HAP by using a flare meeting the requirements specified in 40 CFR 63.982(b). Subpart YY. [40 CFR 63.1103(e)(3)]
- 826 [40 CFR 63.983(a)(3)(ii)] Closed-vent systems (containing bypass lines): Secure the bypass line valve in the non-diverting position with a car-seal or a lock-and-key type configuration. Subpart SS. [40 CFR 63.983(a)(3)(ii)]
- 827 [40 CFR 63.999(c)] Submit Periodic Report: Due as specified in the referencing subpart. Include the applicable information specified in 40 CFR 63.999(c)(1) through (c)(7). Subpart SS. [40 CFR 63.999(c)]
- 828 [LAC 33-III.5109.A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Compliance with the requirements of 40 CFR 63 Subpart YY for process vents is determined as MACT.

**RLP 0137 V-546 - HYDROGENATION PRODUCT FRACTIONATION TOWER (T-200)**

- 829 [40 CFR 63.1103(e)(3)] Reduce HAP by using a flare meeting the requirements specified in 40 CFR 63.982(b). Subpart YY. [40 CFR 63.1103(e)(3)]
- 830 [40 CFR 63.983(a)(3)(ii)] Closed-vent systems (containing bypass lines): Secure the bypass line valve in the non-diverting position with a car-seal or a lock-and-key type configuration. Subpart SS. [40 CFR 63.983(a)(3)(ii)]
- 831 [40 CFR 63.999(c)] Submit Periodic Report: Due as specified in the referencing subpart. Include the applicable information specified in 40 CFR 63.999(c)(1) through (c)(7). Subpart SS. [40 CFR 63.999(c)]
- 832 [LAC 33-III.5109.A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Compliance with the requirements of 40 CFR 63 Subpart YY for process vents is determined as MACT.

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**RLP 1226 V-547 - SPONGE TOWER (KUT-52X)**

- 833 [40 CFR 63.1103(e)(3)] Reduce HAP by using a flare meeting the requirements specified in 40 CFR 63.982(b). Subpart YY. [40 CFR 63.1103(e)(3)]
- 834 [40 CFR 63.983(a)(3)(ii)] Closed-vent systems (containing bypass lines): Secure the bypass line valve in the non-diverting position with a car-seal or a lock-and-key type configuration. Subpart SS. [40 CFR 63.983(a)(3)(ii)]
- 835 [40 CFR 63.999(c)] Submit Periodic Report: Due as specified in the referencing subpart. Include the applicable information specified in 40 CFR 63.999(c)(1) through (c)(7). Subpart SS. [40 CFR 63.999(c)]
- 836 [LAC 33:III.5109.A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Compliance with the requirements of 40 CFR 63 Subpart YY for process vents is determined as MACT.

**TRI 0001 S-86 - SCOLA THERMAL OXIDIZER**

- 837 [40 CFR 61.349(a)(1)(b)] Closed-vent system: Operate with no detectable emissions as indicated by an instrument reading of less than 500 ppmv above background, as determined initially and thereafter at least once per year by the methods specified in 40 CFR 61.355(h). Subpart FF. [40 CFR 61.349(a)(1)(b)]
- 838 [40 CFR 61.349(a)(1)(ii)] Closed-vent system (bypass lines): Flow recordkeeping by electronic or hard copy once every 15 minutes. Subpart FF. [40 CFR 61.349(a)(1)(ii)]
- 839 [40 CFR 61.349(a)(1)(ii)] Closed-vent system (bypass lines): Flow monitored by flow indicator once every 15 minutes, except as provided in 40 CFR 61.349(a)(1)(ii)(B). Install the flow indicator at the entrance to any bypass line that could divert the vent stream away from the control device to the atmosphere. Subpart FF. [40 CFR 61.349(a)(1)(ii)]
- 840 [40 CFR 61.349(a)(1)(iii)] Which Months: All Year Statistical Basis: None specified
- 841 [40 CFR 61.349(a)(2)(A)] Closed-vent system: Ensure that all gauging and sampling devices are gas-tight except when gauging or sampling is taking place. Subpart FF. [40 CFR 61.349(a)(2)(A)]
- 842 [40 CFR 61.349(a)(2)(B)] Total Organic Compounds (TOC) >= 95 % reduction by weight. Option 1, Subpart FF. [40 CFR 61.349(a)(2)(i)(A)]  
 Which Months: All Year Statistical Basis: None specified
- 842 [40 CFR 61.349(a)(2)(B)] Total Organic Compounds (TOC) <= 20 ppmv (as the sum of the concentrations for individual compounds using Method 18) on a dry basis corrected to 3 percent oxygen. Option 2, Subpart FF. [40 CFR 61.349(a)(2)(i)(B)]  
 Which Months: All Year Statistical Basis: None specified
- 843 [40 CFR 61.349(a)(2)(C)] Residence time >= 0.5 sec at a minimum temperature of 760 degrees C (1400 degrees F). Option 3, Subpart FF. [40 CFR 61.349(a)(2)(i)(C)]  
 Which Months: All Year Statistical Basis: None specified
- 844 [40 CFR 61.349(b)] Operate at all times when waste is placed in the waste management unit vented to the control device except when maintenance or repair of the waste management unit cannot be completed without a shutdown of the control device. Subpart FF. [40 CFR 61.349(b)]
- 845 [40 CFR 61.349(c)] Demonstrate that each control device, except for a flare, achieves the appropriate conditions specified in 40 CFR 61.349(a)(2) using one of methods specified in 40 CFR 61.349(c)(1) and (c)(2). Subpart FF. [40 CFR 61.349(c)]
- 846 [40 CFR 61.349(f)] Equipment/operational data monitored by visual inspection/determination once initially and once every quarter thereafter. Include inspection of ductwork and piping and connections to covers and control devices for evidence of visible defects such as holes in ductwork or piping and loose connections. Subpart FF. [40 CFR 61.349(f)]  
 Which Months: All Year Statistical Basis: None specified

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**TRT 0001 S-86 - SCOLA THERMAL OXIDIZER**

- 847 [40 CFR 61.349(g)] Make a first effort to repair the closed-vent system and control device as soon as practicable but no later than 5 calendar days after visible defects are observed during an inspection, or if other problems are identified, or if detectable emissions are measured, except as provided in 40 CFR 61.350. Complete repair no later than 15 calendar days after the emissions are detected or the visible defect is observed. Subpart FF. [40 CFR 61.349(g)]
- 848 [40 CFR 61.354(c)(1)] Temperature monitored by temperature monitoring device continuously. Install the temperature sensor at a representative location in the combustion chamber. Subpart FF. [40 CFR 61.354(c)(1)]  
 Which Months: All Year Statistical Basis: None specified
- 849 [40 CFR 61.354(c)(1)] Temperature recordkeeping by recorder continuously. Subpart FF. [40 CFR 61.354(c)(1)]
- 850 [40 CFR 61.354(c)] Monitoring data monitored by technically sound method daily. Inspect the data recorded by the monitoring equipment to ensure that the control device is operating properly. Subpart FF. [40 CFR 61.354(c)]  
 Which Months: All Year Statistical Basis: None specified
- 851 [40 CFR 61.354(f)(1)] Closed-vent system (bypass line): Seal or closure mechanism monitored by visual inspection/determination monthly. Check the position of the valve and the condition of the car-seal or closure mechanism required under 40 CFR 61.349(a)(1)(ii) to ensure that the valve is maintained in the closed position and the vent stream is not diverted through the bypass line. Subpart FF. [40 CFR 61.354(f)(1)]  
 Which Months: All Year Statistical Basis: None specified
- 852 [40 CFR 61.354(f)(2)] Closed-vent system (bypass line): Flow monitored by visual inspection/determination daily. Inspect the readings from each flow monitoring device required by 40 CFR 61.349(a)(1)(ii) to check that vapors are being routed to the control device as required. Subpart FF. [40 CFR 61.354(f)(2)]  
 Which Months: All Year Statistical Basis: None specified
- 853 [40 CFR 61.355] Determine compliance with 40 CFR 61 Subpart FF using the test methods and procedures specified in 40 CFR 61.355(a) through (i), as applicable. Subpart FF.  
 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency Maintain records as specified in 40 CFR 61.356(a) through (n), as applicable. Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF.  
 Comply with the requirements of 40 CFR 61 Subpart FF, with the changes in 40 CFR 63 Subpart XX Table 2 and 40 CFR 63.1095(a)(1)(i) through (a)(1)(v). Subpart XX. [40 CFR 63.1095(a)(1)]
- 856 [LAC 33:III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.  
 Which Months: All Year Statistical Basis: None specified
- 857 [LAC 33:III.1313.C] Total suspended particulate <= 0.6 lb/MMBTU of heat input.  
 Which Months: All Year Statistical Basis: None specified
- 858 [LAC 33:III.2115.B] While the SCOLA offgas is being introduced into the SCOLA Thermal Oxidizer, the firebox temperature of the thermal oxidizer shall be above 1440 degree Fahrenheit (3-hour average).
- 859 [LAC 33:III.2115.J.2] Install and maintain monitors to accurately measure and record operational parameters of all required control devices as necessary to ensure the proper functioning of those devices in accordance with design specifications. Monitor and record at a minimum the parameters listed in LAC 33:III.2115.J.2.a through e.

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**TRI 0001 S-86 - SCOLA THERMAL OXIDIZER**

- 860 [LAC 33:III.2115.K] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain the records specified in LAC 33:III.2115.K.1 through K.3. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request.
- 861 [LAC 33:III.5109.A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Controlling the emissions to 98% destruction removal efficiency or 20 ppmw by the thermal oxidizer is determined as MACT.

**UNF 0008 FACILITY WIDE - MAINTRAIN ETHYLENE PRODUCTION**

- 862 [40 CFR 60.] All affected facilities shall comply with all applicable provisions in 40 CFR 60 Subpart A.
- 863 [40 CFR 61.342(b)] Comply with the requirements of 40 CFR 61.342(c) through (h) no later than 90 days following the effective date, unless a waiver of compliance has been obtained under 40 CFR 61.111, or by the initial startup for a new source with an initial startup after the effective date. Subpart FF. [40 CFR 61.342(b)]
- 864 [40 CFR 61.342(c)(1)(i)] Waste streams containing benzene: Remove or destroy the benzene contained in the waste using a treatment process or wastewater treatment system that complies with the standards specified in 40 CFR 61.348. Subpart FF. [40 CFR 61.342(c)(1)(i)]
- 865 [40 CFR 61.342(c)(3)(ii)] Containers: Exempt from monitoring. Containers that have capacities <0.42 cubic meters (111 gallons) and meet DOT specification and testing requirements under 49 CFR 178 and that hold benzene-containing wastes with a flow weighed annual average benzene concentration >= 10 ppmw are exempt from method 21 monitoring requirements . [40 CFR 61.342(c)(3)(ii)]
- 866 [40 CFR 61.342(c)(3)] For waste streams that are exempted from the control requirements and included in the site-wide 2.0 Mg total, demonstrate at least once per year that the site-wide exempted total does not exceed 2.0 Mg. [40 CFR 61.342(c)(3)]
- 867 [40 CFR 61.345(a)] CONTAINERS: Each container having a capacity >=0.1 cubic meter (26.4 gallons) into which benzene-containing waste with a flow-weighted annual average benzene concentration >=10 ppmw is placed shall be in compliance with the container Standards in 40 CFR 61.345, or the waste stream must be included in the site-wide 2.0 Mg exemption list. [40 CFR 61.345(a)]
- 868 [40 CFR 61.355] Determine compliance with 40 CFR 61 Subpart FF using the test methods and procedures specified in 40 CFR 61.355(a) through (i), as applicable. Subpart FF.
- 869 [40 CFR 61.356] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency Maintain records as specified in 40 CFR 61.356(a) through (n), as applicable. Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF.
- 870 [40 CFR 61.357(a)] Submit report: Due by initial startup. Submit a report that summarizes the regulatory status of each waste stream subject to 40 CFR 61.342 and is determined by the procedures specified in 40 CFR 61.355(c) to contain benzene. Include the information specified in 40 CFR 61.357(a)(1) through (a)(4). If there is no benzene onsite in wastes, products, by-products, or intermediates, submit an initial report that is a statement to this effect. Subpart FF. [40 CFR 61.357(a)]
- 871 [40 CFR 61.357(d)(3)] Submit a report annually that includes each waste stream chosen for exemption and the total annual benzene quantity in these exempted streams. [40 CFR 61.357(d)(3)]
- 872 [40 CFR 61.357(d)(5)] Include in the report required by 40 CFR 61.357(d)(2) a table presenting the information specified in 40 CFR 61.357(d)(5)(i) and (d)(5)(ii) for each waste stream. Subpart FF. [40 CFR 61.357(d)(5)]

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- 873 [40 CFR 61.357(e)] Notify DEQ of the alternative standard selected in the report required under 40 CFR 61.07 or 61.10. Subpart FF. [40 CFR 61.357(e)]
- 874 [40 CFR 61.] All affected facilities shall comply with all applicable provisions in 40 CFR 61 Subpart A.
- 875 [40 CFR 63.7935(a)] Comply with the emission limitations (including operating limits) and the work practice standards in 40 CFR 63 Subpart GGGGG at all times, except during periods of startup, shutdown, and malfunction. Subpart GGGGG. [40 CFR 63.7935(a)]
- 876 [40 CFR 63.7935(b)] Operate and maintain facility, including air pollution control and monitoring equipment, according to the provisions in 40 CFR 63.6(e)(1)(i). Subpart GGGGG. [40 CFR 63.7935(b)]
- 877 [40 CFR 63.7935(i)] Operate and maintain the continuous monitoring system according to the site-specific monitoring plan. Subpart GGGGG. [40 CFR 63.7935(i)]
- 878 [40 CFR 63.7936(a)] Transfer the remediation material to a facility that meets the requirements in 40 CFR 63.7936(b). Record the name, street address, and telephone number of the facility where the remediation material is sent. Subpart GGGGG. [40 CFR 63.7936(a)]
- 879 [40 CFR 63.7936(b)(2)] Obtain a written statement from the owner or operator of the facility to which remediation material is being sent acknowledging that the exemption under 40 CFR 63.680(b)(2)(iii) will be waived for all remediation material received at the facility from you and your material will be managed as an off-site material at the facility according to all applicable requirements prior to sending remediation material. Ensure that the statement is signed by the responsible official of the receiving facility, provides the name and address of the receiving facility, and that a copy is sent to the appropriate EPA Regional Office at the addresses listed in 40 CFR 63.13. Subpart GGGGG. [40 CFR 63.7936(b)(2)]
- 880 [40 CFR 63.7936(b)(3)(i)] Prepare and include a notice with each shipment or transport of remediation material from the site. Ensure that this notice states that the remediation material contains organic HAP that are to be treated according to the provisions of 40 CFR 63 Subpart GGGGG. When the transport is continuous or ongoing, submit the notice to the receiving facility owner or operator initially and whenever there is a change in the required treatment. Subpart GGGGG. [40 CFR 63.7936(b)(3)(i)]
- 881 [40 CFR 63.7936(b)(3)(ii)] Do not transfer remediation material unless the owner or operator of the facility receiving your remediation material has submitted to the EPA a written certification that he or she will manage remediation material received from you according to the requirements of 40 CFR 63.7885 through 63.7957. Subpart GGGGG. [40 CFR 63.7936(b)(3)(ii)]
- 882 [40 CFR 63.7937(a)] Demonstrate initial compliance with the applicable general standards in 40 CFR 63.7884 through 63.7887 by meeting the requirements in 40 CFR 63.7937(b) through (d), as applicable. Subpart GGGGG. [40 CFR 63.7937(a)]
- 883 [40 CFR 63.7938(a)] Demonstrate continuous compliance with the applicable general standards in 40 CFR 63.7884 through 63.7887 by meeting the requirements in 40 CFR 63.7938(b) through (d), as applicable. Subpart GGGGG. [40 CFR 63.7938(a)]
- 884 [40 CFR 63.7950(a)] Submit all of the applicable notifications in 40 CFR 63.7(b) and (c), 63.8(e), 63.8(f)(4) and (6), and 63.9(b) through (h), as specified in 40 CFR 63.7950. Subpart GGGGG. [40 CFR 63.7950(a)]
- 885 [40 CFR 63.7951] Submit compliance status report: Due semiannually, by the 31st of January and July. Include the information specified in 40 CFR 63.7951(b)(1) through (b)(3) and, as applicable, (b)(4) through (b)(9). Subpart GGGGG.
- 886 [40 CFR 63.7952] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in 40 CFR 63.7952(a) through (d), as applicable. Subpart GGGGG.

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- 887 [40 CFR 63.7953(a)] Keep records in a form suitable and readily available for expeditious review, according to 40 CFR 63.10(b)(1). Keep files of all information (including all reports and notifications) for 5 years following the date of each occurrence, measurement, maintenance, action taken to correct the cause of a deviation, report, or record, as specified in 40 CFR 63.10(b)(1). Keep each record on site for at least 2 years after the date of each occurrence, measurement, maintenance, correction action, report, or record, according to 40 CFR 63.10(b)(1). Records may be kept off-site for the remaining 3 years. Subpart GGGGG. [40 CFR 63.7953(a)]
- 888 [40 CFR 63.] All affected facilities shall comply with all applicable provisions in 40 CFR 63 Subpart A.
- 889 [40 CFR 68.15(a)] Develop a management system to oversee the implementation of the risk management program elements. [40 CFR 68.15(a)]
- 890 [40 CFR 68.15(b)] Assign a qualified person or position that has the overall responsibility for the development, implementation, and integration of the risk management program elements. [40 CFR 68.15(b)]
- 891 [40 CFR 68.15(c)] Equipment/operational data recordkeeping by electronic or hard copy continuously. Document the names or positions of the people, other than the person identified under 68.15(b), who are assigned responsibility for implementing individual requirements of 40 CFR 68.15(c)
- 892 [40 CFR 68.15(c)] Define the lines of authority through an organization chart or similar document when responsibility for implementing individual requirements of 40 CFR 68 is assigned to persons other than the person identified under 68.15(b). [40 CFR 68.15(c)]
- 893 [40 CFR 68.150] Submit Risk Management Plan (RMP): Due no later than June 21, 1999, or three years after the date on which a regulated substance is first listed under 68.130, or the date on which a regulated substance is first present above a threshold quantity in a process. Submit in a method and format to a central point as specified by EPA prior to June 21, 1999.
- 894 [40 CFR 68.155] Provide in the RMP an executive summary that includes a brief description of the elements listed in 68.155(a) through (g).
- 895 [40 CFR 68.160] Complete a single registration form and include in the RMP. Cover all regulated substances handled in covered processes. Include in the registration the information specified in 68.160(b)(1) through (13).
- 896 [40 CFR 68.165] Submit in the RMP information the release scenarios specified in 68.165(a)(2). Include the data listed in 68.165(b)(1) through (13).
- 897 [40 CFR 68.168] Submit in the RMP the information provided in 68.42(b) on each accident covered by 68.42(a).
- 898 [40 CFR 68.175] Provide in the RMP the information indicated in 68.175(b) through (p).
- 899 [40 CFR 68.180] Provide in the RMP the emergency response information listed in 68.180(a) through (c).
- 900 [40 CFR 68.185(b)] Submit in the RMP a single certification that, to the best of the signer's knowledge, information, and belief formed after reasonable inquiry, the information submitted is true, accurate, and complete. [40 CFR 68.185(b)]
- 901 [40 CFR 68.190(c)] Submit revised registration to EPA: Due within six months after a stationary source is no longer subject to 40 CFR 68. Indicate that the stationary source is no longer covered. [40 CFR 68.190(c)]
- 902 [40 CFR 68.190] Review and update the RMP as specified in 68.190(b) and submit it in a method and format to a central point specified by EPA prior to June 21, 1999.
- 903 [40 CFR 68.200] Maintain records supporting the implementation of 40 CFR 68 for five years unless otherwise provided.
- 904 [40 CFR 68.22] Use the endpoints specified in 68.22(a) through (g) for analyses of offsite consequences.
- 905 [40 CFR 68.25] Analyze the release scenarios in 68.25, as specified in 68.25(a) through (h).
- 906 [40 CFR 68.28] Identify and analyze at least one alternative release scenario for each regulated toxic substance held in a covered process(es) and at least one alternative release scenario to represent all flammable substances held in covered processes, as specified in 68.28(b) through (c)

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- 907 [40 CFR 68.30] Estimate in the RMP the population within a circle with its center at the point of the release and a radius determined by the distance to the endpoint defined in 68.22(a).
- 908 [40 CFR 68.33] List in the RMP environmental receptors within a circle with its center at the point of the release and a radius determined by the distance to the endpoint defined in 68.22(a).
- 909 [40 CFR 68.36(b)] Submit revised RMP: Due within six months after changes in processes, quantities stored or handled, or any other aspect of the stationary source increase or decrease the distance to the endpoint by a factor of two or more. [40 CFR 68.36(b)]
- 910 [40 CFR 68.36] Review and update the offsite consequence analyses at least once every five years. Complete a revised analysis within six months if changes in processes, quantities stored or handled, or any other aspect of the stationary source might reasonably be expected to increase or decrease the distance to the endpoint by a factor of two or more.
- 911 [40 CFR 68.39] Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain the records specified in 68.39(a) through (e) on the offsite consequence analyses.
- 912 [40 CFR 68.42] Include in the five-year accident history all accidental releases from covered processes that resulted in deaths, injuries, or significant property damage on site, or known offsite deaths, injuries, evacuations, sheltering in place, property damage, or environmental damage. Include the information specified in 68.42(b)(1) through (10) for each accidental release.
- 913 [40 CFR 68.65(a)] Compile written process safety information, which includes information pertaining to the hazards of the regulated substances used or produced by the process, information pertaining to the technology of the process, and information pertaining to the equipment in the process, before conducting any process hazard analysis required by 40 CFR 68. [40 CFR 68.65(a)]
- 914 [40 CFR 68.65(d)(2)] Equipment/operational data recordkeeping by electronic or hard copy continuously. Document that equipment complies with recognized and generally accepted good engineering practices. [40 CFR 68.65(d)(2)]
- 915 [40 CFR 68.65(d)(3)] Equipment/operational data recordkeeping by electronic or hard copy continuously. Document that existing equipment, designed and constructed in accordance with codes, standards, or practices that are no longer in general use, is designed, inspected, tested, and operating in a safe manner. [40 CFR 68.65(d)(3)]
- 916 [40 CFR 68.65(d)(3)] Determine that existing equipment, designed and constructed in accordance with codes, standards, or practices that are no longer in general use, is designed, maintained, inspected, tested, and operating in a safe manner. [40 CFR 68.65(d)(3)]
- 917 [40 CFR 68.67(a)] Equipment/operational data recordkeeping by electronic or hard copy continuously. Document the priority order for conducting process hazard analyses based on a rationale which includes such considerations as extent of the process hazards, number of potentially affected employees, age of the process, and operating history of the process. [40 CFR 68.67(a)]
- 918 [40 CFR 68.67(a)] Determine the priority order for conducting process hazard analyses based on a rationale which includes such considerations as extent of the process hazards, number of potentially affected employees, age of the process, and operating history of the process. [40 CFR 68.67(a)]
- 919 [40 CFR 68.67(b)] Use one or more of the methodologies in Sec. 68.67(b)(1) through (b)(7) to determine and evaluate the hazards of the process being analyzed. [40 CFR 68.67(b)]
- 920 [40 CFR 68.67(d)] Use a team with expertise in engineering and process operations to perform the process hazard analysis. Include at least one employee who has experience and knowledge specific to the process being evaluated, and at least one employee who is knowledgeable in the specific process hazard analysis methodology being used. [40 CFR 68.67(d)]

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**UNF 0008 FACILITY WIDE - MAINTRAIN ETHYLENE PRODUCTION**

- 921 [40 CFR 68.67(c)] Establish a system to promptly address the team's findings and recommendations; assure that the recommendations are resolved in a timely manner and that the resolution is documented; document what actions are to be taken; complete actions as soon as possible; develop a written schedule of when these actions are to be completed; communicate the actions to operating, maintenance and other employees whose work assignments are in the process and who may be affected by the recommendations or actions. [40 CFR 68.67(e)]
- 922 [40 CFR 68.67(c)] Equipment/operational data recordkeeping by electronic or hard copy continuously. Document the resolution of the recommendations of the team performing the process hazard analysis, and what actions are to be taken. [40 CFR 68.67(c)]
- 923 [40 CFR 68.67(h)] Update and revalidate the process hazard analysis at least every five years after the completion of the initial process hazard analysis, to assure that the process hazard analysis is consistent with the current process. Use a team that meets the requirements in Sec. 68.67(d). [40 CFR 68.67(f)]
- 924 [40 CFR 68.67(g)] Retain process hazards analyses and updates or revalidations for each process covered by this section, as well as the documented resolution of recommendations described in Sec. 68.67(e), for the life of the process. [40 CFR 68.67(g)]
- 925 [40 CFR 68.67] Perform an initial process hazard analysis (hazard evaluation) on processes covered by 40 CFR 68 as soon as possible, but not later than June 21, 1999. The process hazard analysis shall identify, evaluate, and control the hazards involved in the process, and address the information in 40 CFR 68.67(c)(1) through (7).
- 926 [40 CFR 68.69(a)] Develop and implement written operating procedures that provide clear instructions for safely conducting activities involved in each covered process consistent with the process safety information. Address steps for each operating phase, operating limits, safety and health considerations, and safety systems and their functions in the procedures. [40 CFR 68.69(a)]
- 927 [40 CFR 68.69(b)] Make operating procedures readily accessible to employees who work in or maintain a process. [40 CFR 68.69(b)]
- 928 [40 CFR 68.69(c)] Review operating procedures as often as necessary to assure that they reflect current operating practice, including changes that result from changes in process chemicals, technology, and equipment, and changes to stationary sources. Certify annually that these operating procedures are current and accurate. [40 CFR 68.69(c)]
- 929 [40 CFR 68.69(d)] Develop and implement safe work practices to provide for the control of hazards during specific operations. [40 CFR 68.69(d)]
- 930 [40 CFR 68.71(a)(1)] Train each employee presently involved in operating a process, and each employee before being involved in operating a newly assigned process, in an overview of the process and in the operating procedures as specified in Sec. 68.69. Emphasize the specific safety and health hazards, emergency operations including shutdown, and safe work practices applicable to the employee's job tasks. [40 CFR 68.71(a)(1)]
- 931 [40 CFR 68.71(b)] Provide refresher training at least every three years, and more often if necessary, to each employee involved in operating a process to assure that the employee understands and adheres to the current operating procedures of the process. [40 CFR 68.71(b)]
- 932 [40 CFR 68.71(c)] Ascertain that each employee involved in operating a process has received and understood the training required by Sec. 68.71. [40 CFR 68.71(c)]
- 933 [40 CFR 68.71(c)] Equipment/operational data recordkeeping by electronic or hard copy continuously. Prepare a record which contains the identity of the employee, the date of training required by 40 CFR 68.71, and the means used to verify that the employee understood the training. [40 CFR 68.71(c)]
- 934 [40 CFR 68.73(b)] Establish and implement written procedures to maintain the ongoing integrity of process equipment listed in Sec. 68.73(a). [40 CFR 68.73(b)]
- 935 [40 CFR 68.73(c)] Train each employee involved in maintaining the ongoing integrity of process equipment in an overview of that process and its hazards and in the procedures applicable to the employee's job tasks to assure that the employee can perform the job tasks in a safe manner. [40 CFR 68.73(c)]

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- 936 [40 CFR 68.73(d)(4)] Equipment/operational data recordkeeping by electronic or hard copy continuously. Document each inspection and test that has been performed on process equipment. Maintain records of the information specified in Sec. 68.73(d)(4). [40 CFR 68.73(d)(4)]
- 937 [40 CFR 68.73(d)] Perform inspections and tests following recognized and generally accepted good engineering practices on process equipment listed in 40 CFR 68.73(a). Make the frequency of inspections and tests consistent with applicable manufacturer's recommendations and good engineering practices, and more frequently if determined to be necessary by prior operating experience. [40 CFR 68.73(d)]
- 938 [40 CFR 68.73(e)] Correct deficiencies in equipment that are outside acceptable limits before further use or in a safe and timely manner when necessary means are taken to assure safe operation. [40 CFR 68.73(e)]
- 939 [40 CFR 68.73(f)] Assure that equipment as it is fabricated is suitable for the process application for which it will be used, in the construction of new plants and equipment. Perform appropriate checks and inspections to assure that equipment is installed properly and consistent with design specifications and the manufacturer's instructions. Assure that maintenance materials, spare parts and equipment are suitable for the process application for which they will be used. [40 CFR 68.73(f)]
- 940 [40 CFR 68.75(c)] Inform employees involved in operating a process, and maintenance and contract employees whose job tasks will be affected, of a change in the process and train them in the change, prior to start-up of the process or affected part of the process. [40 CFR 68.75(c)]
- 941 [40 CFR 68.75(d)] Update the process safety information required by Sec. 68.65 if a change covered by 68.75 results in a change in the process safety information. [40 CFR 68.75(d)]
- 942 [40 CFR 68.75(e)] Update the operating procedures or practices required by Sec. 68.69 if a change covered by 68.75 results in a change in the operating procedures or practices. [40 CFR 68.75(e)]
- 943 [40 CFR 68.75] Establish and implement written procedures to manage changes to process chemicals, technology, equipment, and procedures; and, changes to stationary sources that affect a covered process. Assure that the considerations specified in Sec. 68.75(b)(1) through (b)(5) are addressed prior to any change.
- 944 [40 CFR 68.77] Perform a pre-startup safety review for new stationary sources and for modified stationary sources when the modification is significant enough to require a change in the process safety information. Safety review must confirm the information specified in Sec. 68.77(b)(1) through (b)(4) prior to the introduction of regulated substances to a process.
- 945 [40 CFR 68.79(c)] Develop a report of the findings of the compliance audit required by 40 CFR 68.79(a). [40 CFR 68.79(c)]
- 946 [40 CFR 68.79(d)] Equipment/operational data recordkeeping by electronic or hard copy continuously. Document the appropriate response to each of the findings of the compliance audit, and document that deficiencies have been corrected. [40 CFR 68.79(d)]
- 947 [40 CFR 68.79(d)] Determine an appropriate response to each of the findings of the compliance audit. [40 CFR 68.79(d)]
- 948 [40 CFR 68.79(e)] Retain the two (2) most recent compliance audit reports. [40 CFR 68.79(e)]
- 949 [40 CFR 68.79] Conduct compliance audit: Due at least every three years. Certify compliance with the provisions of the prevention program to verify that procedures and practices developed under 40 CFR 68 are adequate and are being followed. Conduct compliance audit by at least one person knowledgeable in the process.
- 950 [40 CFR 68.81(c)] Establish an incident investigation team consisting of at least one person knowledgeable in the process involved, including a contract employee if the incident involved work of the contractor, and other persons with appropriate knowledge and experience to thoroughly investigate and analyze the incident. [40 CFR 68.81(c)]
- 951 [40 CFR 68.81(e)] Establish a system to promptly address and resolve the incident report findings and recommendations. [40 CFR 68.81(e)]

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- 952 [40 CFR 68.81(c)] Equipment/operational data recordkeeping by electronic or hard copy continuously. Document resolutions and corrective actions of the incident report findings and recommendations. [40 CFR 68.81(e)]
- 953 [40 CFR 68.81] Conduct incident investigation: Due as promptly as possible, but not later than 48 hours following each incident which resulted in, or could reasonably have resulted in a catastrophic release of a regulated substance.
- 954 [40 CFR 68.81] Prepare a report at the conclusion of the incident investigation which includes, at a minimum, the information specified in 40 CFR 68.81(d)(1) through (5). Review the report with all affected personnel whose job tasks are relevant to the incident findings including contract employees where applicable. Retain the incident investigation reports for five years.
- 955 [40 CFR 68.83(a)] Develop a written plan of action regarding the implementation of the employee participation required by 40 CFR 68. [40 CFR 68.83(a)]
- 956 [40 CFR 68.83(b)] Consult with employees and their representatives on the conduct and development of process hazards analyses and on the development of the other elements of process safety management. [40 CFR 68.83(b)]
- 957 [40 CFR 68.83(c)] Provide to employees and their representatives access to process hazard analyses and to all other information required to be developed under 40 CFR 68. [40 CFR 68.83(c)]
- 958 [40 CFR 68.85] Issue a hot work permit for hot work operations conducted on or near a covered process. Document in the permit that the fire prevention and protection requirements in 29 CFR 1910.252(a) have been implemented prior to beginning the hot work operations; indicate the date(s) authorized for hot work; and identify the object on which hot work is to be performed. Keep permit on file until completion of the hot work operations.
- 959 [40 CFR 68.87(b)(1)] Obtain and evaluate information regarding the contract owner or operator's safety performance and programs, when selecting a contractor. [40 CFR 68.87(b)(1)]
- 960 [40 CFR 68.87(b)(2)] Inform contract owner or operator of the known potential fire, explosion, or toxic release hazards related to the contractor's work and the process. [40 CFR 68.87(b)(2)]
- 961 [40 CFR 68.87(b)(3)] Explain to the contract owner or operator the applicable provisions of 40 CFR 68 Subpart E. [40 CFR 68.87(b)(3)]
- 962 [40 CFR 68.87(b)(4)] Develop and implement safe work practices consistent with Sec. 68.69(d), to control the entrance, presence, and exit of the contract owner or operator and contract employees in covered process areas. [40 CFR 68.87(b)(4)]
- 963 [40 CFR 68.87(b)(5)] Periodically evaluate the performance of the contract owner or operator in fulfilling their obligations as specified in 40 CFR 68.87(c). [40 CFR 68.87(b)(5)]
- 964 [40 CFR 68.95(a)] Develop and implement an emergency response program for the purpose of protecting public health and the environment. Include in the program the elements listed in 40 CFR 68.95(a)(1) through (4). [40 CFR 68.95(a)]
- 965 [40 CFR 68.95(c)] Coordinate the emergency response plan developed under 68.95(a)(1) with the community emergency response plan developed under 42 U.S.C. 11003. Upon request of the local emergency planning committee or emergency response officials, promptly provide information necessary for developing and implementing the community emergency response plan. [40 CFR 68.95(c)]
- 966 [40 CFR 82 Subpart F] Comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B.
- 967 [LAC 33:III.1103] Emissions of smoke which pass onto or across a public road and create a traffic hazard by impairment of visibility as defined in LAC 33:III.111 or intensify an existing traffic hazard condition are prohibited.
- 968 [LAC 33:III.1109 B] Outdoor burning of waste material or other combustible material is prohibited.

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- 969 [LAC 33:III.1303.B] Emissions of particulate matter which pass onto or across a public road and create a traffic hazard by impairment of visibility or intensify an existing traffic hazard condition are prohibited.
- 970 [LAC 33:III.2113.A] Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:III.2113.A.1-5.
- 971 [LAC 33:III.2119] Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance.
- 972 [LAC 33:III.2901.D] Discharges of odorous substances at or beyond property lines which cause a perceived odor intensity of six or greater on the specified eight point butanol scale as determined by Method 41 of LAC 33:III.2901.G are prohibited.
- 973 [LAC 33:III.2901.F] If requested to monitor for odor intensity, take and transport samples in a manner which minimizes alteration of the samples either by contamination or loss of material. Evaluate all samples as soon after collection as possible in accordance with the procedures set forth in LAC 33:III.2901.G.
- 974 [LAC 33:III.501.C.6] Maintain, to the extent practicable, a leak-free facility taking such steps as are necessary and reasonable to prevent leaks and to expeditiously repair leaks that occur. Update the written plan presently required by LAC 33:III.2113.A.4 within 30 days of receipt of this permit to incorporate these general duty obligations into the housekeeping procedures. The plan shall then be considered a means of emission control subject to the required use and maintenance provisions of LAC 33:III.905. Failure to develop, use, and diligently maintain the plan shall be a violation of this permit. (State Only).
- 975 [LAC 33:III.501.C.6] Maintain best practical housekeeping and maintenance practices at the highest possible standards to control emissions of highly reactive volatile organic compounds (HRVOC), which include Ethylene and Propylene. (State Only).
- 976 [LAC 33:III.507.G.5] Alternate Operating Scenario: Operating plan recordkeeping by logbook upon each occurrence of making a change from one operating scenario to another. Record the operating scenario under which the facility is currently operating. Include in this record the identity of the sources involved, the permit number under which the scenario is included, and the date of change. Keep a copy of the log on site for at least two years.
- 977 [LAC 33:III.5105.A.1] Do not construct or modify any stationary source subject to any standard set forth in LAC 33:III.Chapter 51.Subchapter A without first obtaining written authorization from DEQ in accordance with LAC 33:III.Chapter 51.Subchapter A, after the effective date of the standard.
- 978 [LAC 33:III.5105.A.2] Do not cause a violation of any ambient air standard listed in LAC 33:III. Table 51.2, unless operating in accordance with LAC 33:III.5109.B.
- 979 [LAC 33:III.5105.A.3] Do not build, erect, install, or use any article, machine, equipment, process, or method, the use of which conceals an emission that would otherwise constitute a violation of an applicable standard.
- 980 [LAC 33:III.5105.A.4] Do not fail to keep records, notify, report or revise reports as required under LAC 33:III.Chapter 51.Subchapter A.
- 981 [LAC 33:III.5107.A.2] Include a certification statement with the annual emission report and revisions to any emission report that attests that the information contained in the emission report is true, accurate, and complete, and that is signed by a responsible official, as defined in LAC 33:III.502. Include the full name of the responsible official, title, signature, date of signature and phone number of the responsible official.
- 982 [LAC 33:III.5107.A] Submit Annual Emissions Report: Due annually, by the 31st of March unless otherwise directed by DEQ, to the Office of Environmental Assessment in a format specified by DEQ. Identify the quantity of emissions in the previous calendar year for any toxic air pollutant listed in Table 51.1 or Table 51.3.

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- 983 [LAC 33:III.5107.B.1] Submit notification: Due to the Department of Public Safety 24-hour Louisiana Emergency Hazardous Materials Hotline at (225) 925-6595 immediately, but in no case later than 1 hour, after any discharge of a toxic air pollutant into the atmosphere that results or threatens to result in an emergency condition (a condition which could reasonably be expected to endanger the health and safety of the public, cause significant adverse impact to the land, water or air environment, or cause severe damage to property).
- 984 [LAC 33:III.5107.B.2] Submit notification: Due to SPOC, except as provided in LAC 33:III.5107.B.6, no later than 24 hours after the beginning of any unauthorized discharge into the atmosphere of a toxic air pollutant as a result of bypassing an emission control device, when the emission control bypass was not the result of an upset, and the quantity of the unauthorized bypass is greater than or equal to the lower of the Minimum Emission Rate (MER) in LAC 33:III.5112, Table 51.1, or a reportable quantity (RQ) in LAC 33:I.3931, or the quantity of the unauthorized bypass is greater than one pound and there is no MER or RQ for the substance in question. Submit notification in the manner provided in LAC 33:I.3923.
- 985 [LAC 33:III.5107.B.3] Submit notification: Due to SPOC, except as provided in LAC 33:III.5107.B.6, immediately, but in no case later than 24 hours after any unauthorized discharge of a toxic air pollutant into the atmosphere that does not cause an emergency condition, the rate or quantity of which is in excess of that allowed by permit, compliance schedule, or variance, or for upset events that exceed the reportable quantity in LAC 33:I.3931. Submit notification in the manner provided in LAC 33:I.3923.
- 986 [LAC 33:III.5107.B.4] Submit written report: Due by certified mail to SPOC within seven calendar days of learning of any such discharge or equipment bypass as referred to in LAC 33:III.5107.B.1 through B.3. Include the information specified in LAC 33:III.5107.B.4.a.i through B.4.a.viii.
- 987 [LAC 33:III.5107.B.5] Report all discharges to the atmosphere of a toxic air pollutant from a safety relief device, a line or vessel rupture, a sudden equipment failure, or a bypass of an emission control device, regardless of quantity, IF THEY CAN BE MEASURED AND CAN BE RELIABLY QUANTIFIED USING GOOD ENGINEERING PRACTICES, to DEQ along with the annual emissions report and where otherwise specified. Include the identity of the source, the date and time of the discharge, and the approximate total loss during the discharge.
- 988 [LAC 33:III.5109.C] Develop a standard operating procedure (SOP) within 120 days after achieving or demonstrating compliance with the standards specified in LAC 33:III.Chapter 51. Detail in the SOP all operating procedures or parameters established to ensure that compliance with the applicable standards is maintained and address operating procedures for any monitoring system in place, specifying procedures to ensure compliance with LAC 33:III.5113.C.5. Make a written copy of the SOP available on site or at an alternate approved location for inspection by DEQ. Provide a copy of the SOP within 30 days upon request by DEQ.
- 989 [LAC 33:III.5113.A.1] Submit notification in writing: Due to SPOC not more than 60 days nor less than 30 days prior to initial start-up. Submit the anticipated date of the initial start-up.
- 990 [LAC 33:III.5113.A.2] Submit notification in writing: Due to SPOC within 10 working days after the actual date of initial start-up of the source. Submit the actual date of initial start-up of the source.
- 991 [LAC 33:III.535] Comply with the Part 70 General Conditions as set forth in LAC 33:III.535 and the Louisiana General Conditions as set forth in LAC 33:III.537. [LAC 33:III.535, LAC 33:III.537]
- 992 [LAC 33:III.5609.A.1.b] Activate the preplanned abatement strategy listed in LAC 33:III.5611, Table 5 when the administrative authority declares an Air Pollution Alert.
- 993 [LAC 33:III.5609.A.2.b] Activate the preplanned strategy listed in LAC 33:III.5611, Table 6 when the administrative authority declares an Air Pollution Warning.
- 994 [LAC 33:III.5609.A.3.b] Activate the preplanned abatement strategy listed in LAC 33:III.5611, Table 7 when the administrative authority declares an Air Pollution Emergency.

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- 995 [LAC 33:III.5609.A] Prepare standby plans for the reduction of emissions during periods of Air Pollution Alert, Air Pollution Warning and Air Pollution Emergency. Design standby plans to reduce or eliminate emissions in accordance with the objectives as set forth in LAC 33:III.5611, Tables 5, 6, and 7. Comply with the provisions in 40 CFR 68, except as specified in LAC 33:III.5901.
- 996 [LAC 33:III.5901.A]
- 997 [LAC 33:III.5907] Identify hazards that may result from accidental releases of the substances listed in 40 CFR 68.130, Table 59.0 of LAC 33:III.5907, or Table 59.1 of LAC 33:III.5913 using appropriate hazard assessment techniques, design and maintain a safe facility, and minimize the off-site consequences of accidental releases of such substances that do occur.
- 998 [LAC 33:III.5911.A] Submit registration: Due January 31, 1998, or within 60 days after the source becomes subject to LAC 33:III.Chapter 59, whichever is later. Include the information listed in LAC 33:III.5911.B, and submit to the Office of Environmental Compliance.
- 999 [LAC 33:III.5911.C] Submit amended registration: Due to the Office of Environmental Compliance within 60 days after the information in the submitted registration is no longer accurate.
- 1000 [LAC 33:III.919.D] Submit Emission Inventory (EI)/Annual Emissions Statement: Due annually, by the 31st of March for the period January 1 to December 31 of the previous year unless otherwise directed. Submit emission inventory data in the format specified by the Office of Environmental Assessment. Include all data applicable to the emissions source(s), as specified in LAC 33:III.919.A-D.

**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY  
OFFICE OF ENVIRONMENTAL SERVICES**

**STATEMENT OF BASIS<sup>1</sup>**

**PROPOSED PART 70 OPERATING PERMIT 2031-V8**

**MAINTRAIN ETHYLENE PRODUCTION FACILITIES  
BATON ROUGE CHEMICAL PLANT  
EXXONMOBIL CHEMICAL COMPANY  
BATON ROUGE, EAST BATON ROUGE PARISH, LOUISIANA  
Agency Interest No. 286  
Activity No. PER20090019**

**I. APPLICANT**

The applicant is: ExxonMobil Chemical Company  
P.O. Box 241  
Baton Rouge, LA 70821

Facility: Maintrain Ethylene Production Facilities  
Baton Rouge Chemical Plant

SIC Code: 2899; 2869

Location: 4999 Scenic Highway, Baton Rouge, East Baton Rouge Parish,  
Louisiana 70805

**II. PERMITTING AUTHORITY**

The permitting authority is:

Louisiana Department of Environmental Quality  
Office of Environmental Services  
P.O. Box 4313  
Baton Rouge, Louisiana 70821-4313

**III. CONTACT INFORMATION**

Additional information may be obtained from:

Ms. Cathy Lu  
P.O. Box 4313  
Baton Rouge, Louisiana 70821-4313  
Phone: (225) 219-3181

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<sup>1</sup> 40 CFR 70.7(a)(5) and LAC 33:III.531.A.4 require the permitting authority to "provide a statement that sets forth the legal and factual basis for the proposed permit conditions of any permit issued to a Part 70 source, including references to the applicable statutory or regulatory provisions."